

Unit-II

Chapter

Introduction to HTML

HTML is the building block for web pages. Hyper Text Markup Language is the central core on which all Web pages are built. HTML was invented by Tim Berners-Lee. HTML is a language for describing web pages. HTML stands for Hyper Text Markup Language.

- Hypertext is a piece of text that works as a link.
- Markup Language is a way of writing layout information within documents.

HTML is not a programming language, it is a markup language. A markup language is a set of markup tags. The purpose of the tags are to describe page content. HTML is the language interpreted by browser. Web pages are also called HTML documents. HTML is a set of special codes that can be embedded in text to add formatting and linking information. HTML is specified as TAGS in an HTML documents.

Basically an HTML document is a plain text file that contains text and nothing else.

When a browser opens an HTML file, the browser will look for HTML codes in the text and interprets them in to Graphical layout. As HTML documents are text files they can be written in even the simplest text editor.

There are many popular HTML editor. Notepad is the default Windows text editor. On most Windows systems, click your Start button and choose Programs then Accessories.HTML is just a series of tags that are integrated into a text document. They are give directions silently to the browser that w hat to do, and what props to use.

HTML tags are usually English words or abbreviations (such as "p" for paragraph), but they are distinguished from the regular text because they are placed in small angle brackets (< >).

The definition of HTML is HyperText Markup Language.

- HyperText is the method by which you move around on the web by clicking on special text called hyperlinks which bring you to the next page. The fact that it is hyper just means it is not linear i.e. you can go to any place on the Internet by clicking on links there is no set order to do so.
- Markup is what HTML tags do to the text inside them. They mark it as a certain type of text (italicised text, for example).
- HTML is a Language, as it has code-words and syntax like any other language.

1. HTML FEATURES

- HTML tags are not case sensitive, means the same as ...
- Complete code in <html></html> tag.
- Browser is an interpreter for the HTML not compiled.
- Complete source code is transferred to client from the server so there is no security of code.

- Client can view the complete code by right clicking on the web page and choose view source,
- We can use any text editor to write HTML code such as notepad or Notepad or Dreamweaver,
- Saved with extension .htm or .html.
- To execute html file double click on the html file or write its complete path in browser address
- HTML tags are used to mark-up HTML elements
- HTML tags are surrounded by the two characters < and
- The surrounding characters are called angle brackets
- HTML tags normally come in pairs like and .
- The first tag in a pair is the start tag, the second tag is the end tag
- The text between the start and end tags is the element content

HTML DOCUMENT

HTML is a format that tells a computer to display a web page. HTML file is also known HMTL document. The documents themselves are plain text files with special "tags" or codes that a web browser uses to interpret and display information on your computer screen. Html file are saved with .html or .htm extention.

document is </html>. This tag tells your browser that this is the end of the html document. <html> tag tells your browser that this is the start of an html document. The last tag in your

<html> tag and its end tag are the document's head and body. parent tags of all tags. <html> tags ensures that the beginning or the end of the document. Inside the All tags are resides within the <HTML> tags so <HTML> tag is container of all tags or it is

An HTML document has two distinct parts-a head and a body.

1.2.1 The head Part:

support document automation. is good programming practice to include < head > in all documents, since they promote readability and beginning of your document, just after the <html> tag and before the <body> or <frameset> tag. It page itself, such as the title. The <head> tag serves to encapsulate other header tags. Place it at the enclosed by the <head> and </head> tags. It contains information about a page that is visible on the Head of the HTML document is where you enter the title of the page. The head portion is

The <title> tag is used to uniquely identify each document and is also displayed in the title bar of the is not displayed in the browser window. The text between the <title> tags is the title of your document. The text between the <head> tag and the </head> tag is header information. Header information

<title> tag. such as the document's filename, so you don't even have to supply a title. But it not a document. Beyond that, most browsers will even supply a generic title for documents lacking a good programming habit to not use <title> tag. The <title> tag is the only thing required within the <head> tag. Since the <head> tag itself and even the <html> tag can safely be omitted, the <title> tag could be the first line within a HTML

create the head portion of HTML document and to give the document a title. type the following in title start and end tags. For instance, they will ignore any images or links to other documents To Browsers do not specially format title text, and they ignore anything other than text inside the

INTRODUCTION TO HTML

<HEAD>

<TITLE>My First Page</TITLE>

document in the browser window. This tells a Web browser what information in the title tag is the name of document in the

1.2.2 The body Part:

Body is where all most all available, text, headlines, graphics, and all Web goodies. The body-enclosed by <body> and </body> — is where the action is. The <body> tag has a number of attributes that control the color and background of your document. The text between the <body> tags is the Various browsers have extended the tag to give even greater control over your document's text that will be displayed in your browser.

appearance.

complex documents might include heavily formatted text, graphical figures, tables, and a variety of Anything between the <body> tag and its ending counterpart. </body>, is called body content. The simplest document might have only a sequence of text paragraphs within the <body> tag. More

documents, too, to make them more easily readable and maintainable. Like the <html> and <head> tags, it is also good habit that you include the <body> tags in HTML

after the </HEAD> tag, and enter the following: Everything that appears on the page is contained within these tag. To add the body section, start

<BODY>

</BODY>

Between these two tags, you'll eventually enter the rest of the text and graphics for your Web

Above the first <HEAD> tag. enter the following: <TML>

After the last </BODY> tag, type the following:

lext and links, as well as background colors or patterns for the document. The BODY tag defines the main body of an HTML document. As we discussed earlier also, Here we explains some attributes also. Its attributes enable the HTML author to define colors for

that can be used in the BODY tag. Details of events methods is discussed in later chapter. In addition, as you have already learned, there are two event handlers, onLoad and onUnload,

The following is a list of available attributes for the BODY tag:

BACKGROUND-Specifies the URL of a background image.

color name. BGCOLOR-Specifies a background color for the document as a hexadecimal RGB triplet or a

FORCOLOR-Specifies the foreground (and text) color as a hexadecimal triplet or color name

LINK-Specifies the color for links as a hexadecimal triplet.

ALINK-Specifies the color for an active link (when the user has the mouse clicked on a link Until the user releases the mouse button) as a hexadecimal triplet.

VLINK-Specifies the color for a followed link as a hexadecimal triplet.

COLD IN COLD IN page. If image un in not proper or writing image traine in that case (alternate (BGCOLOR (background (for background color) then priority is given to BACKGROUND (image) and image will appear in If we are using both properties BACKGROUND (for background iminage) and BGCOLOR

Example: Creating an HTML Template

entention using File+) have+to use it as your new Web page Let's take what you know and create a template. By saving this tend file with Jum or Jum

CINTRO-	< ACM/08.	the model	CALIDR	SEAD?	ITTLE Hello World Page	EAD
					CHILLY	

Hello Wald	# # C files C:/Noers manijeet/Deskrop frothtm:	X dayoung x
	× 111	3 1

mypage ham are wested as different files by the browser. extensions. It is perfectly safe to use either .html or .htm, but he consistent, page.htm and entension comes from the past when wane of the commonly used software only allowed three letter When you save an HTML file, you can use either the Jhtm or the Jhtml extension. The Jhtm

the actual WTML of the page. Go shead and view the source html for this page your browners welfar and veloct Source or Page Source. This will open a window that shows you To View HTML Source: Right click on web browner and then simply click on the View option in

2. HTML TAGS

and - are called angle brackets. Tags normally in pairs like -b- and -fb- are known as paired tags. HTML tags are used to mark-up HTML elements and are surrounded by the two characters <

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paired tags are also known as container tags. Container tags always have the following

bown as Empty tags. graing but not need to close them are known as singular tags like <500 tag. Singular tags are also paired tags have both opening and closing like Antaly and Aheady. Those tag which have only

actored text's meaning. An example of a logical tag is the tag. By placing text In HTML there are both logical tags and physical tags. Logical tags are designed to describe the

is between these tags you are telling the browser that the text has some greater importance. By Examples of physical tags include: physical rags on the other hand provide specific instructions on how to display the text they enclose. betain all browsers make the text appear bold when in between the and tags.

- Apr. Makes the text bold.
- Ar. Makes text italic.

your HTML pages, you should use style sheets. the original intention of HTML was to not have physical tags. Rather than use physical tags to style Physical tags used to add style to HTML pages because style sheets were not around, though

2.1 Tag Attributes

prooding example. Such information is called an attribute. Attributes usually consist of 2 parts: tow to do it with extra feature. The start tag (opening) may contain additional information, as in the elements on your page. The <tag> tells the browser to do something, while the attribute tells the browser Attributes Tags can have attributes. Attributes can provide additional information about the HTML

- An attribute name
- An attribute value

or this attribute. The value must always be enclosed in quotation marks. Note that the attribute name precedes an equal sign (=). Following the equal sign is the desired value

readability of code. aways use quotes to make the code less ambiguous to the eye and to avoid mistakes and to increase the quitation marks. Both single quotes (') and double quotes (") are allowed. Many developers prefer to specifying the attribute name or leaving the attribute value empty. The value must be written within A few attributes can only have one value. They are Boolean attributes and may be shortened by only

lingle style quotes are also allowed. In some rare situations, like when the attribute value itself contains Attribute values should always be enclosed in quotes. Double style quotes are the most common, but

your page should be blue. quotes, it is necessary to use single quotes: For instance, if we add the bgcolor attribute, we can tell the browser that the background color of

""> "xample: <body bgcolor="blue">

2.2 DOCTYPE AND COMMENTS

In addition to tags, text content, and entities, an HTML document must contain a doctype declaration

as the first line. The doctype declaration is not an HTML tag, it is an instruction to the web browser about

what version of HTML the page is written in browser to interpret the HTML and CSScode according to W3C standards. The doctype has a long and intricate history, but for now need to know is that this doctype tells the

The Comment Tag

explaining a section of markup, leaving notes for other people who might work on the page, or for leaving reminders for yourself. HTML comments are enclosed in symbols as follows: HTML comments that are not displayed when the page is rendered in a browser. This is useful for

<!-- This is comment text -->

small scripts and programs Web browser ignore anything the tag contains. That can be text, hypertext links, image links, even

HTML document where need to remember to update some text, or to explain a particularly confusing part of your page The comment tag ignores returns. Generally, use the comment tag to mark a point in a particular

2.3 FORMATTING HTML TAGS

which actually provide physical formatting. It is recommended to use the logical tags and use style sheets As mentioned before, there are logical styles that describe what the text should be and physical styles

Logical Tags Physical Tags Tag	Description
<abbr></abbr>	Defines an abbreviation
<address></address>	Defines an address element
<code></code>	Defines computer code text
<blookle></blookle>	Defines a long quotation
	Defines text
<dfb></dfb>	Defines a definition term
<ins></ins>	Defines inserted text
<kbd></kbd>	Defines keyboard text
<pre><pre></pre></pre>	Defines preformatted text
⟨ф⟩	Defines a short quotation
<samp></samp>	Defines sample computer code
	Defines strong text
<\var>	Defines'a variable
⟨ф⟩	Defines bold text
 	Defines big text
\$	Defines italic text
<small></small>	Defines small text
	Defines superscripted text
	to the same of the
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Defines teletype text
€	Deprecated. Use styles instead

INTRODUCTION TO HTML

more uniformly supported across different browsers. Character tags like and produce the same physical display as and <i> but are

2.4 Explicit Styles Tag

you want the text to physically appear. The browser is given no choice in the matter. The basic explicit tags are containers that let the user mark text as bold, italic, or underlined. Tags Meaning Explicit tags are also often called physical tags, since they very specifically tell the Web browser how

, Bold text

</>
</>
</>
</l>
Italic text

<U>, </U> Underlined text

that, then it must add no emphasis to the text. With these tags, the browser has no choice-it must either display the text as defined or, i t can't do

2.5 Implicit HTML Tags

display the text. These tags, like the header tags, are generally relative to one another, depending on the , browser being used to view them. Some of the common implicit (logical) tags Implicit styles are often called logical styles, since they allow the browser some freedom in how it will

Strong emphasis Bold text

2.6 PROGRAMMER'S HTML TAGS

are listed below. Programmer Tags which use in to make easier to present computer-programming codes. Those tags

<CODE>, </CODE>: Programming lines Monospaced.

<KBD>, </KBD>: Keyboard text Monospaced

<SAMP>, </SAMP>: Sample output Monospaced

<VAR>, </VAR>: Variable Italic

complex. when you return to the document to update it or fix errors-especially as the document becomes more Using these tags is a great way to internally document your HTML pages. This will help you later

2.7 The < PRE > (preformatted text)

what put between the on and off tags. The<PRE> (preformatted text) tag is designed to allow us to keep the exact spacing and returns that

Using the <P> tag, except that it will be in a mono spaced font.

<PRE> tags is use to create extra lines in a document without typing any text between them.

to makes lines of text are short so that all browsers can view them without scrolling <PRE> tag doesn't allow the browser screen to wrap text automatically, users need to expand their browser window if we use particular long lines within a <PRE> container. So its programmer's responsibility

2.8 HEADING TAG < H1 ... H6>

All header tags are paired tags. Ranging from level 1 to level 6, headers allow you to create different levels of emphasized headlines to help you organize your documents All header tags makes the enclosing text bold and also increase the font size of enclosing text. The size range is decrease from h1 to h6. So as Header tags are used to provide heading to the text. There are six header tags h1.112.h3.h4.h5 and h6.

number is increases from 1 to 6, size of heading font is decreases. Headings are defined with the <h1> to <h6> tags. <h1> defines the largest heading while <h6> defines All header tags do one more thing that is break the line without using
br> tag like tag

the smallest

HTML automatically adds an extra blank line before and after a heading. A useful heading attribute

<h5 align="left">1 can align headings </h5>

<h5 align="center">This is a centered heading </h5>

<h5 align="right">This is a heading aligned to the right </h5>

2.9 Line Breaks
 TAG:

> tag forces a line break wherever you place it. It is similar to single spacing in a document. The
br> tag is used when you want to start a new line, but don't want to start a new paragraph. The

The
b> tag has no closing tag. So
 tag is also a singular tag or empty tag. Singular should be write like
 . It is new rule for new browsers. It is not must but it should be follow

2.10 Named CHARACTER REFERENCES:

Entity are used to print characters that have a special meaning in HTML entities in place of the actual characters themselves. Named character reference is also called entities. an HTML tag. If we want the browser to actually display these characters we must insert character Some characters have a special meaning in HTML. like the less than sign (<) that defines the start of

display a greater-than symbol in the text, you can use a named character reference. For example, HTML interprets the less-than and greater-than symbols as tag delimiters. If you want to

A character entity has three parts:

- An ampersand (&)
- An entity name or an entity number
- And finally a semicolon (:).

letters in between are sort of an abbreviation for what it's for. The & means we are beginning a special character, the ;means ending a special character and the

browsers support the newest entity names, while the support for entity numbers is very good in almost all using a name instead of a number is that a name is easier to remember. The disadvantage is that not all To display a less than sign in an HTML document we must write: &It; or < The advantage of

Note: Entities are case sensitive,

INTRODUCTION TO HTML

Special character codes

| Symbol | Man. | |
|-------------------------------|---------------------------------|-------------------------|
| 3 | Meaning | Character |
| ^ | Less-than symbol | 9.14. |
| v | Grant | ælt; |
| , | Greater-than symbol | & ot: |
| R. | | wgt, |
| \$ | Ampersand ("and") | &: |
| = | Quotation marks | 8 |
| • | | acquot, |
| | apostrophe | &anos: (not work in IE) |
| Non | | |
| breaking | to create indentations in a | |
| space | paragraph, or create additional | |
| | spaces between words, | |
| rample including all above to | I about to | |

Example including all above tags:

Am/>

<head>

<title>My First Page</title>

<body bgcolor="pink">

This is BOLD

This is STRONGcbr/>

<i>This is ITALIC</i>

<u>This is UNDERLINE</u>

<s>This is Strikethrough TEXT</s> <strike>This is STRIKE</strike>

<code>This is code</code>

<h1>This is HEADING I</h1> <var>This is var</var>

<h2>This is HEADING 2</h2>

<h3>This is HEADING 3</h3>

<h4>This is HEADING 4</h4>

<h5>This is HEADING 5</h5>

<h6>This is HEADING 6</h6>

<!--This is comment -->

A text with multiple spaces but will display only one space:-Hello!! A text with multiple spaces and will display multiple spaces:-World

Hello!! World

</body> Jaipur Matrix To print space we use & amp; & nbsp;

br> The tag for bold is
 This is quotation mark & quot;
 Computers

<html>

A text with enabyte spaces but will display only one space. Helloff World A text with unshiple spaces and will display multiple spaces. Helloff World The tag fix bold is sib. Build Mit. to frait autresest (A) Amp. To prail space we me Anbip. The S MEADING & This is READING 3 This is code If Appl I to then image engr. [] www.aspdotast-tur... DISTRIBUTED This is READING 4 This is HEADING 2 This is BOLD This is STRONG The is ITALIC The refendedneogh TEXT ← → C 'D file:///C:/Users/Desktop/fstt.html This is HEADING 1 MA DE RELEXE [] My fast Page × () Display Images in G... 101 - 0 101

Paragraph Tag

a paragraph. In order to give the appearance of paragraphs, then, you have to use the paragraph container <P>(paragraph) rag. This tag is used to show a Web browser what text in your document constitutes

use the align attribute with a paragraph tag as well. paragraph. HTNL automatically adds an extra blank line before and after a paragraph tag. You can any indentations or blank lines in the source text. Without elements, the document becomes one large Paragraphs are defined with the tag. Think of a paragraph as a block of text. A browser ignored

<title>My Second Page</title>

INTRODUCTION TO HIML

<body bgcolor="cyan" text="red"> This is paragraph1. This is paragraph1.

This is paragraph1. This is paragraph1. This is paragraph1. This is paragraph1. This is paragraph1. This is paragraph1.

This is paragraph2. This is paragraph2. This is paragraph2. This is paragraph2. This is paragraph2.

This is paragraph3. This is paragraph3.

</body> This is paragraph4. This is paragraph4 This is paragraph4. This is paragraph4.



4. Horizontal raq graphical elements

This tag is use to draw a horizontal line across une tree. In HTML, <hr> is an empty tag, requires tag at the position where you want the line to appear. In HTML, <hr> tag at the position where you want the line to appear. In HTML, <hr> tag at the position where you want the line to appear. In HTML, <hr> tag at the position where you want the line to appear. In HTML, <hr> < tage at the position where you want use make a 3-D shading effect, which can be removed. In addition closing tage. By default, these lines include a 3-D shading effect, which can be removed. In addition closing tage. By default, these lines include a 3-D shading effect, which can be removed. In addition closing tage. By default, these lines include a 3-D shading effect, which can be removed. In addition closing tage.</p> Horizontal Ruler-HR>
This tag is use to draw a horizontal line across the page. To add a horizontal rule to your page, insense tag is use to draw a horizontal line across the page. To add a horizontal rule to your page, insense tag is use to draw a horizontal line across the page. To add a horizontal rule to your page, insense tag is use to draw a horizontal line across the page. lines can be set to various sizes, widths and alignments.

default, the value of the width attribute is 100 percent. If you want the line to extend across only 4.1 Horizontal Rule ATTRIBUTES The she's element has a width attribute that controls how far the line extends across the serequipment has a width attribute that controls how far the line to extend across the serequipment has a width attribute that controls how far the line extends across the serequipment has a width attribute that controls how far the line extends across the serequipment has a width attribute that controls how far the line extends across the serequipment has a width attribute that controls how far the line extends across the serequipment has a width attribute that controls how far the line extends across the serequipment has a width attribute that controls how far the line extends across the serequipment has a width attribute that controls how far the line to extend across the serequipment has a width attribute that controls have a serieur than the line to extend a control of the line across the serieur than the line across

percent of the window, you would write the tag as follows:

:Horizontal rule (<hr>) attributes

| •"left" • "right" • "renter" If no alignment is specified, the default value for this attribute is center. The size attribute can be specified in terms of pixels, which are very small units of the screen. Pixels are not an absolute measurement, but are relative to the display resolution. The width attribute can be specified in terms of: • Percentage of the window width. | | width Th | size Th | align ··· | Attribute A | IOI IZONIAI TOUS (TO) |
|--|--------------------------------------|---------------------------------|--|--|-----------------|--|
| the default value for cified in terms of pixels are not an absoly resolution. | • Percentage of the window • Pixels. | a width amailtain and be | ne size attribute can be spenall units of the screen. Pit are relative to the displa | "left""right""center"If no alignment is specified center. | Accepted Values | |
| | | pecified in terms of:
width. | eified in terms of pi
xels are not an absol
y resolution. | , the default value fo | | The state of the s |

httml>hody>httml>hody>httml="red">httml>hody>httml>hody>httml>httml>httpl://httml>httml>httml>httml>httml>httpl://httml>httml>httml>httml>httml>httpl://httml>httml>httpl://httml>ht

<hr align="left" width=\$00px size=15 color="red" \times br/> <hralign="right" width=50% size=10 color="red">

Align attribute value can be provide in pixels also to have fix size line.

INTRODUCTION TO HTML

| | | Horizontal Ruler Tag | ## Apps 🔞 to show image in gr 🗋 www.aspdotnet-sur 🖒 Display Images in G | ← → C [] file:///C:/Users/manjeet/Desktop/fstt.html | (L) fstt.html × |
|--------------------------------|--|----------------------|---|---|-----------------|
| And the Statement of Contracts | Approximately and the second s | | \(\) www.aspdotnet-sur | sers/manjeet/Desktop/fsi | 0 |
| | | | Display Images in G | | |
| | - Conference - Con | | 8 | Q公
III | × |

5. HTML FONTS

elements. properties of HTML will be used to define the layout and HTML, style sheets (CSS) removed the tag from its recommendations. In future versions of Consortium (W3C) has World Wide Web HTML is deprecated. The The tag in display



 tag supports three attributes: The Tag Should NOT be used.

- SIZE
- COLOR
- FACE

Example:

<tont face="arial" size=5 color=#cc77aa>Matrix Computers
br>

Backgrounds

6. HTML Backgrounds

color or an image. The <body> tag has two attributes where you can specify backgrounds. The background can be a

be a hexadecimal number, an RGB value, or a color name: The bgcolor attribute specifies a background-color for an HTML page. The value of this attribute can

<body bgcolor="#000000"><body bgcolor="rgb(0.0.0)"><body bgcolor="black">

The lines above all set the background-color to black

Background

The background attribute can also specify a background-image for an HTML page. The value of this attribute is the URL of the image you want to use. If the image is smaller than the browser window, the image will repeat itself until it fills the entire browser window.

<body background="clouds.gif"><body background="http://profdevtrain.austincc.edu/html/graphics/</p> clouds.gif">

The URL can be relative (as in the first line above) or absolute (as in the second line above)

If you want to use a background image, you should keep in mind:

- Will the background image increase the loading time too much?
- Will the background image look good with other images on the page?
- Will the background image look good with the text colors on the page?
- Will the background image look good when it is repeated on the page?
- Will the background image take away the focus from the text?

Background images and Background colors in body

to specify both, in case a background image becomes unavailable for some reason. You can specify both images and background images in a Web page. In fact, it can be advantageous

then appear. All values specified in style sheets will override anything specified in the HTML or XHTML then the background image will always render first. If the image cannot be found, a background color will last in the tag will be rendered. If you use a style sheet and specify both image and color as a background If you use the becolor and background attributes in the same <body> tag, then only the attribute given

7. HTML Colors

Color Values

and last ratio is for blue color. the result of combining red, green, and blue. First ratio is for reg color and second ratio is for green color that can be given to one light source is 0 (hex #00). The highest value is 255 (hex #FF). This table shows hexadecimal notation for the combination of red. green. and blue color values (RGB). The lowest value All colors are made by combination ratio of red, blue and green color. Colors are defined using a

INTRODUCTION TO HTML

is lowest so dullest color is produce by this combination that is black. #000000" In this combination all three color ratio is at lowest point. Means Brightness of all three colors

colors is maximum so brightest color is produce by this combination that is white. "#FFFFFF" In this combination all three color ratio is at highest point. Means Brightness of all three

green color is produce by this combination. "#00FF00" In this combination red and blue color ratio is at lowest point and green is at highest. So

A few years ago, when most computers supported only 256 different colors.

different colors to play with $(256 \times 256 \times 256)$ The combination of Red. Green and Blue values from 0 to 255 gives a total of more than 16 million

8. HTML Lists

List are of two types ordered list and unordered list. Html provides two tags to create list.

of these lists, a line item is designated with the empty tag . In the case of ordered lists, the tag For numbered/ordered lists, the tag is , and for bulleted/unordered lists, the tag is . For either inserts a number; for unordered lists, it inserts a bullet point. Ordered Lists are numbered (ordered) and unordered list bulleted (unordered) lists

8.1 Unordered Lists Tag

starts with the tag. Each list item starts with the tag. An unordered list is a list of items marked with bullets (typically small black circles). An unordered list

nem you can put paragraphs, line breaks, images, links, other lists, etc. An unordered list is a collection of related items that have no special order or sequence. Inside a list

unordered list of items. Inside, each item in the unordered list is identified by a leading tag, is child The
 tag signals to the browser that the following content, ending with the
 tag, is an

8.1.1. Attribute of Tag

list. This attribute may have a value of either disc, circle, or square, This attribute is used to define the type to specify which bullet symbol you required in an unordered

With the advent of standard Cascading Style Sheets, the W3C has deprecated the type attribute.

There is not start attribute in unordered list.

8.2 Ordered Lists

An ordered list is also a list of items. The list items are with numbers. An ordered list starts with the

'ol> tag. Each list item starts with the tag.

are numbered instead of bulleted. The numbering starts at one and is incremented by one for each success. successive ordered list element tagged with <|i>, <|i> is child tag of tag. The typical browser formats the contents of an ordered list just like an unordered list, except that the items Use an ordered list when the sequence of the list items is required. tag is used for ordered list.

8.2.1 Attribute of solving

munhering with start attribute, then by default numbering start from one. Short). The start attribute for the ±ot × tag lets you change that starting value of list.If we not start

to start numbering a list at 7, for example:

< II > JAVA - /II -Folkhan Tr CHAIN 11 - C - / 11 ×

the stol st tag to change the numbering style fiself. The different values of type attribute are given below. Heshles heing while to sunt the sequence at some number other than 1, you can use the type attribute with Type with ibute Hy definalt, browsers number ordered list items with a sequence of Arabic numerals,

*oltype-"A"> "oftype="f"> offype="n"> oltype="1"> entlype"f"> for common Arable numeral. It default value also. for lowerense Roman numerals, for capital Roman numerals. for numbering with lowercase letters. for numbering with capital letters

MIII ≥ Example

*(II)

<NODY bycolor="pink"> STILL DISTINCT <0100 × 0

type="A" start="2">

SIPCH-SIP (I) (S)

<II>SINETSIIS Java

ul type="circle"> C|>C

Java SH-CH-SID

Liquid Tca

Banana

If Appr II to show houge in pr 1704 VI. Fruits C C C V, Liquid o Java 0 C++ ASP.NET Java 4. Coffee Ten Mango Water IIIIK Apple THE PARTY OF THE P

> ABODY> AIIIMI> d type-"square" Al-Print Mir Ai-Mange/II -li-Barrara-/li di-Apple di-Ti-Collegelli Si-Water III Timilk The

8.3 The ١

universal lag for list items in ordered () and unordered () lists. The <1i- lag is child tag of both <0i- tag and<ul- tag. The <1i- tag defines an item in a list. It's the

assign the value to list item. di> tag also have type attribute which works same as in tage. There is another attribute value which

when used within an tag inside an ordered list. Since the ordered list is the only type with sequentially numbered items, the value attribute is valid only The value attribute changes the numbers of a specific list item and all of the list items that follow it.

type=A>Changing the numbering type

type=1>Uppercase Roman numerals

type=i>Lowercase Roman numerals

<litype=1>Plain of numbers

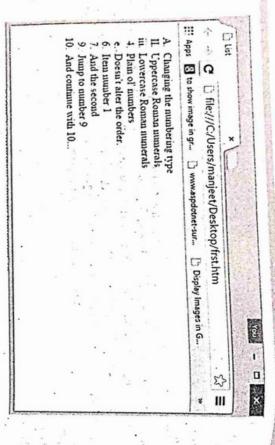
Doesn't after the order.

lcm number 1

And the second

value=9> Jump to number 9

And continue with 10...



8.4 Definition Lists

conceived to be the defined term and its definition. Definition lists consist of two parts: a term and a The final list tag is the definition list, which is designed to allow for two levels of list items, originally

The definition List tags are:

- The container tag <DL> (definition list)
- And two empty tags:

it will wrap to the beginning of the next line if necessary <DT> (definition term): The <DT> tag is use to fit on a single line of your Web page although

beneath the <DT> term. <DD> (definition):. The <DD> tag will accept a full paragraph of text, continuously indented

Definition Lists The definition list offers some additional flexibility over the standard lists, giving you more choices

Example:

Use <:DL> and <DT> Tags

<BODY bgcolor="pink">

INTRODUCTION TO HTML

4DT>Cereal <DT>Eggs

ADL>. Use &It;DL> and &It;DD> Tags

HTML is a language for describing web pages. HTML stands for Hyper Text Markup Language. Language is the central core on which all Web pages are built. HTML was invented by Tim Berners-Lee. <DD><U>HTML:</u> HTML is the building block for web pages. Hyper Text Markup

after the page has been fully loaded and during the viewing process. returning to the Web server first. It allows scripting languages to change a web page's look and function <pD><b<u>
DHTML:</u>
/b> DHTML also allows the pages to change at any time, without

</BODY>

<TMIN-

Cereal ## Apps . St to show image in gr... | www.aspdotnet-sur... | Display Images in G., ##. Getting started with... Honey Eggs Milk ← → C ☐ file:///C:/Users/manjeet/Desktop/frst.htm Use <DL> and <DD> Tags Use <DL> and <DT> Tags D List 13 New Tab 000

returning to the Web server first. It allows scripting languages to change a invented by Tim Bemers-Lee. HTML is a language for describing web web page's look and function after the page has been fully loaded and pages. HTML stands for Hyper Text Markup Language. Language is the central core on which all Web pages are built. HTML was HTML: HTML is the building block for web pages. Hyper Text Markup DHIML: DHIML also allows the pages to change at any time, without

during the viewing process.

9. HTML Links

important part of the Web. It provide ability to Web to link from one document to another specific site, HTML uses the <a> anchor tag to create a link to another document or web page. Links are the most

<AHREF="URL">Text describing link that text initiates the hypertext link The words Text describing link would appear underlined and in another color to indicate that clicking

There are two types of links, absolute and relative. All link tags are container tags

just tell the shortcuts. The following is an example of a relative link: They are used when you link from one Web site to another. Relative links (sometimes called local links) An absolute link that tells exactly where a browser should go by following all the necessary paths.

Our Product Information

Here product.html file is available in that folder from where we call this file

absolute URL, a complete URL as the following: If the HTML document to which you want a link is located elsewhere on the Internet, you need

In either case, things end up looking the same in a browser. Our Product Information

9.1 ATTRIBUTE

9.1.1 Href Attribute:

displayed as a hyperlink, document or page we are linking to, and the words between the open and close of the anchor tag will be The <a> tag is used to create an anchor to link from, the href attribute is used to tell the address of the

clicking that control goes to another page External link are create by using of href attribute of anchor <a> tag. External links are those links by

a movie, etc. The syntax of creating an anchor: An anchor can point to any type of resource on the Web like an HTML page, an image, a sound file

Text to be displayed

9.1.2 Target Attribute

attribute can have following values: same browser window or in different window. By default the link will open in the current window. Target The target attribute, wherethe linked document will be opened. Means targeted document will open in

target="_blank": Open in a new blank window.

target="_self" ; Open in current window.

target="_parent" : Open in current window

9.1.3. Name Attribute

when we click on hyperlink then control transfer to same page rather than another page. The name attribute is used to create a named anchor and to create internal link. Internal link means

INTRODUCTION TO HTML

anchor doesn't change the appearance of the text unless you set styles for that anchor that can jump directly to a specific section on a page, instead of letting the scroll around to find. A named The syntax of a named anchor: This can be done by using name attribute of <a> tag. When using named anchors we can create links

Text to be displayed

To link directly to the top section, add a # sign and the name of the anchor to the end of a URL, like

Top of Page 5

Example:

量

qitle>My.First Page</title>

vink="purple"> ody bgcolor="cyan" text=red link="blue" alink="yellow"

4mme="xyz">Top

page
 Click to start next

<ahref="second.html" target="_self"/>Link Color
 shref="#xyz">Go Top
 <ahref="first.html" target="_self"/>Visited Link Color
br> <ahref="second.html" target="_self"/>Active Link Lolor

The steer most a B 1957 ... Visited Link Color Go Top Click to start next page dor Link Color My First Page → C __ file:///C/Users/manjeet/Desktop/009/fist.htm Display Images in G. - 0 -Q Q

10. <imq> TAG FOR IMAGE IN WEB PAGES

sre (abbreviation for source). You use the sre attribute to specify the name and, if necessary, the location The tag displays a graphic image on your page. The key attribute that is required in this tag is

of your image file. tag. tag can use in either of two ways in XHTML: The tag is an empty tag, so it requires no closing tag. In XHTML, however, you must close the

<imgsrc="imagefile.gif"

<imgsrc="imagefile.gif"/>

to clickable image maps in a later lesson. In this lesson, you will focus on using images purely as graphical enhancements. they can be used as image maps. Although scripting is not discussed in this course, you will be introduced Images can be big or small; they can function as links; they can be used to launch script actions; and

Image file formats: The three universally supported Web image formats are

- Graphics Interchange Format (GIF)
- Joint Photographic Experts Group (JPEG)
- Portable Network Graphics (PNG).

All image file formats are discussed in earlier chapter (IN Unit I).

| Format | Transparency | Interlacing | Compression | Animation |
|-----------------|--------------|-------------|-------------|-----------|
| GIF | Yes | Yes | Yes | Yes |
| JPEG (standard) | No | No . | Yes | No |
| PNG | Yes | Yes | Yes | Yes |

line" with text and other content. There is no implied line or paragraph break before or after the tag, so images can be truly "in

10.1 The src attribute

relative to the document referencing the image. The src attribute for the tag is compulsory. Its value is the image file's URL, either absolute or

<imgsrc="image_folder/imagefile.gif">

src attribute is use to specify the name and, the location of your image file. This is main attribute that is required for tag. This tag is src (abbreviation for source) is must

10.2 The all attribute

image fails to load or if the user has configured his or her browser not to display images specifies alternative text to appear while the graphic is loading. This alternative text will also display if the It is a good coding practice by containing the alt attribute with a corresponding value. The alt attribute

The syntax for using the alt attribute is as follows:

<imgsrc="image.gif" alt="This is alternative text. Type anything here.">

INTRODUCTION TO HTML

0.3 Align ATTRIBUTE:

position images relative to text on a page. The syntax for the align attribute is as follows: imgsrc="imagefile.gif" align="alignment value"/> Align attribute is use to aligning images relative to text. For attractive web page it is must know how

align="left" align="Right"

align="justify"

align="center"

pefault value of align attribute is left.

Values for align attribute

| Align Attribute Description Value | Description |
|-----------------------------------|--|
| "bottom" | The default alignment. The bottom of the image is aligned with the baseline of adjoining text. |
| "middle" | A vertical — not horizontal — alignment option. This value aligns the middle of the image to the baseline of adjoining text. |
| "top" | Aligns the top of the image with the top of adjoining text. |
| "left" | Floats the image to the left of the text paragraph into which the tag is inserted. The top of the image will align with the left and top of the adjoining text. |
| "right" | Floats the image to the right of the text paragraph into which the tag is inserted. The top of the image will align with the right and top of the adjoining text. |

Additional attributes include:

- hspace aligns the image horizontally, moving it to the right,
- vspace aligns the image vertically, moving it down from the top
- height resizes the image's original height dimension
- width resizes the image's original width dimension

0.4 Height, width and border attribute

The syntax for specifying image height and width is as follows:

Imgsrc="imagename.gif" height="HeightInPixels" width="WidthInPixels"/>

or widen that image border. Beaware that this attribute, too, is deprecated in HTML but continues tobe Well supported by the nominar browsers Border attribute: Use the border attribute and a pixel-width thickness value to remove (border=0)

10.5 dynsec loopattribute

Use the dynamic antibute extension in the URL of the movie file, enclosed in quotation marks. For example, internet Explorer. Its required value is the URL of the movie file, enclosed in quotation marks. this textdisplays the tag and attribute for an AVI movie file entitled intro.avi: Use the dynsrc attribute extension in the tag to reference an AVI movie for inline display by

<imgdynsrc="movies/intro.avi">

The loop,attribute: Internet Explorer normally plays a movie clip from beginning to end once after download. The log

attribute for the movie tag lets to the clip play repeatedly for an integer number of times set by the

attribute's value, or forever if the value is infinite. The following intro avi movie clip will play from beginning to end. then restart at the beginning and

play through to the end four more times:

<imgujynsrc="movies/intro.avi" loop=5src="pics/mvstill.gif">

11. MARQUEE TAG:

coding. <marquee> tag have many attributes which makes and control the movement of text or image dynamic and make the appearance of page very attractive without using any complex javascrip Sood looking Marquee tag is used to move your image or text on browser window. This makes the web page

11.1 ATTRIBUTE OF < MARQUEE>:

Behairor: This attribute define the way of moving. The following value can be assign to this

behavior="scroll".

behavior="alternate"

to this attribute: Direction: This attribute define the direction of marquee content. The following value can be assign

- Left: Means make movement of marquee content towards left.
- Right: Means make movement of marquee content towards right
- Up: Means make movement of marquee content towards upward direction.
- Down: Means make movement of marquee content towards downward direction

Scroll amount attribute:

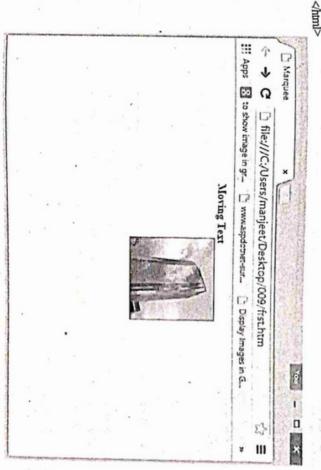
attribute is any integer number. As the number value is increases the speed of moving content of marque Scrollamount attribute is use to define the speed of moving content of marquee tag. Value of this

In above examples later one is move with higher speed. <marquee behavior="scroll" direction="left" scrollamount="10">Moving text</marquee> <marquee behavior="scroll" direction="left" scrollamount="4">Moving text</marquee>

Example:

> </head><body> <head><iitle>Marquee</iitle> </marquee scrollamount="8" onMouseOver="this.stop()" onMouseOut="this.start()" mesrc="img01.jpg"> onMouseDown="this.setAttribute(scrollamount'20)">>b>Moving text scrollamount="4" <marquee behavior="alternate" direction="right" </marquee> onMouseOver="this.stop()" onMouseOut="this.start()" <marquee behavior="scroll" direction="left"</p>

</body>



12. HTML Table Tags

is divided into data cells (with the tag). The letters td stands for table data, which is the content of a Tables are defined with the tag. A table is divided into rows (with the tag), and each row

data cell. A data cell can contain text. images, lists, paragraphs, forms, horizontal rules, tables, etc. And the

letter tr stands for table row.

Table Tags

| Tao | Description |
|-------------------------------------|---|
| ciables | Defines a table |
| 4 | Defines a table header |
| AT . | Defines a table row |
| क्रक | Defines a table cell |
| <pre><moint< pre=""></moint<></pre> | Defines a table caption |
| <colgroup></colgroup> | Defines groups of table columns |
| <00 > | Defines the attribute values for one of life commission |
| - | a table |
| ahead | Define header portion of table |
| Chada > | Define body part of table |
| ciforis | Define footer part of table. |

or caption for the table. and tags, which define the table's headers and data cells; and the <caption> tag, which defines a title table and its elements in the document's body content; the tag, which defines a table row; the A wide variety of tables can be created with only five tags: the tag, which encapsulates a

running headers and footers, with the <colgroup>, <col>, , <thead>, and <tfoot> tags, Each tag ias one or more required and optional attributes, some of which affect not only the tag itself but also Beyond these core tags, you may also define and control whole sections of tables, including adding

12.1 The < rable> rag

(<TH>), which is generally used as the title text for rows and columns.<TH> enclosed text is by default tags for table rows (<1R>) and table data (<TD>). Most tables will also use an element for table headers of tags that define each individual row. The main container is the <TABLE> tag, which uses enclosing fables werk like HTML list tags, in that you must use the table container tag to hold together a group

Tables take the following format

CAPTION>Caption text for table

<TRXTH>column1</THXTH>column2</THXTH>column3</TH>

<TR/TD>row1daha1</TD>(TD>row1daha2</TD>(TD>row1daha3</TD>

<TR:<TD=row2data1</p>
<TD>row2data2
<TD>row2data3
<TD>

The <IABLE> Tag attribute

INTRODUCTION TO HTML

12.1.1 Align and col attribute

browser window. Valid values are: ALIGN: The ALIGN attribute is used to determine where the table will appear relative to the

ALIGN=LEFT

ALIGN=RIGHT

draw the table as it downloads COLS. The COLS attribute specifies the number of columns in your table, allowing the browser to

12.1.2 Cellpadding and Cellspacing

pixel width between the individual data cells in the table (The thickness of the lines making the table grid). between the walls of the table and between individual cells. Value is a number in pixels. Cellspacing is the The default is zero. If the border is set at 0, the cellspacing lines will be invisible. CELLSPACING. The CELLSPACING attribute tells the browser how much space to include

contents to be away from the border a bit for easy viewing. Cellpadding is invisible, even with the border used often. but sometimes comes in handy when you have your borders turned on and you want the between the cell contents and the cell border. The default for this property is also zero. This feature is not property turned on. Cellpadding can be handled in a style sheet. elements away from the walls of the cell. Value is a number in pixels. Cellpadding is the pixel space <able border="1" cellpadding="5"> CELLPADDING. The CELLPADDING attribute tells the browser how much space to give data

12.1.3 Borderand width attribute Attribute

Border: To display a table with borders, you will use the border attribute. Row 1. cell 1</td\td>Row 1. cell 2

is specified as a percentage of the width of the visitor's viewing window. Hence this code. <table width="80%">, will produce a table that occupies 80 percent of the screen. or a relative width. A fixed table width is one where the width of the table is specified in pixels. For example, this code. , will produce a table that is 550 pixels wide. A relative table width The width attribute can be used to define the width of your table. It can be defined as a fixed width

for pixel or in for inches. can be percentages, as in WIDTH="50%", or absolute values. With absolute values, a suffix is used as px The WIDTH attribute sets the relative or absolute width of your table in the browser window. Values

the browser assembles the contents of the cell onto a single line, unless you insert a

the browser assembles the contents of the cell onto a single line, unless you insert a

the browser assembles the contents of the cell onto a single line, unless you insert a

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the cell of the cell onto a single line, unless you insert a

the cell of the cell onto a single line, unless you insert a

the cell of the cell onto a

the cell of the cell onto a

the cell of when included in the tag. stops that normal word wrapping in all rows in the table. With nowrap. Which then forces a break so that the contents continue on a new line inside the table cell. The browsers automatically wrap text lines to fill the allotted table cell space. The nowrap attribute.

12.1.4 The colspan and row span attribute

The colspan attribute

Use the conspan authors. The colspan attribute to an integer value equal to the number of more columns in its row. Set the value of the colspan attribute to an integer value equal to the number of more columns in its row. Use the colspan attribute in a table header or data tag (td or th) to extend a table cell across two the colspan attribute in a table header or data tag (td or th) to extend a table cell across two the colspan attribute in a table header or data tag (td or th) to extend a table cell across two the colspan attribute in a table header or data tag (td or th) to extend a table cell across two tables are table cell across two tables are tables at table cell across two tables are tables at tables It's common to have a table header that describes several columns beneath it.

columns you want the header or data cell to span.

For example:

The rowspan attribute Just as the colspan attribute layers a table cell across several columns, the rowspan attribute stretche

a celldown two or more rows in the table.

occupies the same spaceas the current row and an appropriate number of cells below that row The want the cell tobegin and set its value equal to the number of rows you want it to span. The cell that browser flows the contents of the cell to occupy the entire extended space. Include the rowspan attribute in the or tag of the uppermost row of the table where you

For example:

last defined row in a table. current cell only down rows. The browsers do not add empty rows to a table to fill a rowspan below the Like the colspan attribute, the browser ignores over extended rowspan attributes and extends to

12.1.5 The bgcolor, valign and background attributes

the center of the cell values for the valign attribute in are top, bottom, middle, or baseline; the default vertical positions The valign attribute sets the default vertical alignment of data in cells for the entire table. Acceptable

either an RGB hexadecimal color value or a standard color name as explained earlier. You can change the background color - this time for an individual data cell. This attribute's value

Neither background nor bgcolor overrides a related style-sheet property

12.2 The <caption> Tag

much like a cell within a table. nearly anywhere inside the table and between the row tags. The caption may contain any body content caption tag. The <caption> tag and its contents put immediately after the tag, but it can be place A table commonly needs a caption to explain its contents, so the popular browsers provide a tab

The <CAPTION> tag is a container

The <CAPTION> tag has one attribute, ALIGN. ALIGN="TOP" and ALIGN="BOTTOM"

encouraged. By default, text is also aligned to center (horizontally). By TOP and BOTTOM,

For Example: <CAPTION ALIGN="BOTTOM">Table Foods</CAPTION>*

12.3 The <Thead> Tag

or more tags defining the rows within the table header. table and is placed at the beginning, just after the tag. Within the <thead> tag, you may place of Use the <thead> tag to define a set of table header rows. The <thead> tag may appear only once it

INTRODUCTION TO HTML

12.4 THE <TOOT> TAG

rows define in any part od table but always appear in footer section as these rows (tr) are define within the end of a table. Like <thead>, it may contain one or more tags that let you define those rows. The <tfoot> tag. Use the <tfoot> tag to define a footer for a table. The <tfoot> tag may appear only once, just before

12.5 The <rbody>

table stands alone. For example, you may not span from one into another. tag. only table rows may be defined using the tag. And. by definition, a section of a identified. you can give each group different rule line sizes above and below the section. Within a where you might include one, you probably will have two or more tags within a table. So rows into a group within a table. It is perfectly acceptable to have no tags within a table, although Use the tag to divide your table into discrete sections. The tag collects one or more

12.6The <colgroup> Tag

more<colgroup> tags within a tag. The ending </colgroup> tag is rarely used in HTML. definition of several identical columns, or as a container for several dissimilar columns. You can put one or The <colgroup> tag defines a column group. You can use the <colgroup> tag in two ways: as a single

source code as: For example, a table with six columns - four in the first group and two in the other - would appear in the grouping. The value of the span attribute is the integer number of columns affected by the <colgroup> tag. Attribute: Use the span attribute with the <colgroup> tag to achieve the first type of column

<colgroup span="2"> <colgroup span="4">

12.7 Table Rows<TR>

attribute is used to determine how text will appear (horizontally) in each of the rows data cells. For Table rows (<TR>) can accept one attribute you should concern yourself with-ALIGN. The ALIGN

<TRALIGN="RIGHT"><TH>1980</TH>TD>76%</TD>TD>24%</TD> <TRALIGN="LEFT"><TH>1970</TH><TD>50%</TD><TD>50%</TD> <TRALIGN="CENTER">
TH>Date</TH>TH>Chocolate</TH>TH>Vanilla</TH>

12.8 Table Data and Table header

mar's distinct from the <TD> tag. Inpractice, that generally means it's turned bold Now, technically, the <TH> is a tag that the browser interprets as a header and thus displays text in a way The difference between the two is that <TH> emphasizes (boldfaces) the text and <TD> does not

attributes. These are ALIGN, VALIGN, COLSPAN, and ROWSPAN Aside from accepting nearly any type of HTML markup tags within them, both tags can accept four

following: If you were to add all of these attributes, a typical <TH> (or <TD>) tag would be formatted like the

 $\stackrel{\triangle}{=}$

COLSPAN="number"

ROWSPAN="italics" ALIGN is used to align the data within the cell horizontally, accepting values of LEFT, Right ALIGN is used to align the data within the cell horizontally, accepting values of LEFT, Right ALIGN is used to align the data within the cell horizontally, accepting values of LEFT, Right ALIGN is used to align the data within the cell horizontally, accepting values of LEFT, Right ALIGN is used to align the data within the cell horizontally, accepting values of LEFT, Right ALIGN is used to align the data within the cell horizontally. ALIGN is used to align the data with the ALIGN attribute of and CENTER. Note that ALIGN is redundant when used with the ALIGN attribute of

VALIGN is used to align the data vertically within cells. Possible values are TOP, BOT unless it is used to override the <TR ALIGN=> setting.

COLSPAN and ROWSPAN are used to force a cell to span more than one column of respectively. An example of this might be:

andCENTER.

Example of table using all tags:

<Head></head>

<col span="2" style="background-color:pink;"> <caption align="right">List of students</caption>

<thead> <uh>Roll</uh>

Name

Per

<head>

<troot> Max

95.5

101

75.5 Ajav

<1d>102<1d> Ravi

Web Designing & Mulde

INTRODUCTION TO HTML

85.5

103 Suresh

65.5

95.5

Tanu 104

♦

Manu 105

85.5

</body> <htm>

III Apps 🔞 to show image in gr. 🗀 www.aspdotnet-sur... 🗋 Display Images in G. ← → C ☐ file:///C/Users/manjeet/Desktop/009/frst.htm · [] fist.htm 104 103 102 05 Max Roll ist of students Manu Suresh Ravi Ajay Lanu Name 7515 X X - - - X Q (2)

Exercise

VERY SHORT QUESTIONS

- Q1. What does the HTML stands for?
- Q2. What is HTML tags?
- Q3. Name any interpreter of HTML language.
- Q4. Explain head any body tags.
- Q5. Explain structure of HTML document
- Q6. Write extension of HTML document.
- Q7. What are paired and singular tags?
- Q8. What is attribute?
- Q9. Write about HTML comments. ·
- Q10. Tag <a> is stands for?
- Q11. What do you mean by Cellpadding and Cellspacing?

SHORT QUESTIONS

- Q1. Explain features of HTML language
- Q2. Write note on named character references.
- Q3. What do you mean by list tags? Explain ordered and unordered list with example.
- Q4. Write note on definition list.
- Q5. Explain alink, link and vlink attributes of <body> tag.
- Q6. Why marquee tag is used in HTML document? Explain with code.
- Q7. What is use of <body>, <head>, <tfoot> tag in HTML?

LONG QUESTIONS

- Q1. Describe Formatting tags in details with proper example
- Q2. Explain hyperlink in HTML with all attributes.
- Q3. Which tag is used for display image in your web document? Explain all attributes tag wf
- Q4. Explain table tag in HTML. Explain all supporting table tags with attributes and code.
- Q5. Write down the HTML code using basic HTML tag.



Web Development HTML Frames Forms and

1. HTML <FRAMESET> and <FRAME>

is added like this: but it also replaces the <BODY> tag completely on these pages. On a typical page, <FRAMESET> For creating frame <FRAMESET> tag is used. This container's required for frames-style pages-

<TMINT>

<HEAD>

.HEAD markup...

</HEAD>

<FRAMESET>

...Frames and other HTML markup...

<FRAMESET>

<HTML>

used to suggest that a particular row or column should take up the rest of the page. numerical values (size in pixels), percentages, or a combination of both. The value (*) can also be The <FRAMESET> tag can accept two attributes: ROWS and COLS. Both attributes accept

take the following format: The number of values suggests the number of rows or columns you give the attribute. These attributes

<FRAMESET ROWS="numbers.percentages.*" COLS="numbers.percentages. *">

of the page: An example like the following would create two rows: one 50 pixels long and another row is the rest

FRAMESET ROWS="50.*">

and one on the other 75 percent: The followingexample to create page with two column, one on the leftmost 25 percent of thesercen

FRAMESET COLS="25%.75%">

**RAMESET COLS="25%.*">

The following will create a page with two columns: In order to create rows within columns and vice-versa you can nest <FRAMESET> statements.

<FRAMESET ROWS="50%,50%"> <FRAMESET COLS="25%,75%">

</FRAMESET>

</FRAMESET> <FRAMESET ROWS="10%,90%">

</FRAMESET>

It takes the following format: It is simply there, to determine what URL or name is associated with the particular frame it defines, appear in a particular frame. Each <FRAME> tag is an empty tag-and it's not unlike the tags. The <FRAME> tag is used within the <FRAMESET> container to determine what will actually

<FRAMESET COLS/ROWS="numbers">

<FRAME SRC="URL">

</FRAMESET>

1.1 < FRAME > ATTRIBUTE

1.1.1 SRC attribute:

bottom of the page including images and multimedia. For instance, the following would create two frame rows-one that loaded the URL index.html at the top of the Web page and one that loaded the URL help.html at the The document referenced by the src attribute may be any valid document or any displayable object, the src attribute for the <frame> tag is the URL of the document that is to be displayed in the frame. SRC attribute: is used to tell the frame what URL should be loaded in that frame. The value of

<FRAMESET ROWS="50%,50%">

<FRAME SRC="index.html">

<FRAME SRC="help.html">

</FRAMESET>

NAME are appearance oriented. Let's deal with them first and come back to NAME in a

value in pixels. For example: top/bottom margins of the text and graphics within a frame, respectively. Each takes a numerical MARGINWIDTH and MARGINHEIGHT are used to control the right/left margins and the

<FRAME SRC="text.html" MARGINWIDTH="5" MARGINHEIGHT="5">

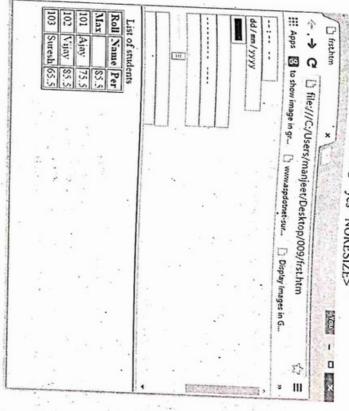
even short documents will sometimes need to be scrolled. in most cases. Since users have all different screen resolutions and available browser window space, bars will appear in the frame window. The default value is auto, and this is probably the best to use SCROLLING can accept the values yes, no, and auto and is used to determine whether or not scroll This creates a five-pixel border between the contents of text.html and the frame edges.

resizing a frame window. (Frame windows can be resized by dragging the frame with the mouse The NORESIZE attribute doesn't require a value assignment, and is used to keep the user from

HTML FRAMES FORMS AND WEB DEVELOPMENT

in the viewer window.)

FRAME SRC="text.html" SCROLLING="yes" NORESIZE> An example of SCROLLING and NORESIZE would be:



1.1.2 The NAME Attribute

lag, which takesthe following format: First, name your frame windows. This is accomplished with the NAME attribute to the <FRAME>

<FRAME SRC="original URL" NAME="window_name">

Other frame windows. lor < A NAME > links. Once the frame window has a distinct name, you can access it directly from This shouldn't look too foreign to you, as it's a little like the way that the NAME attribute works

name with a hypertext link. Targeting Frame Windows: With your frame successfully named, you're ready to target the

- TARGET="_blank"-The URL specified in this link will always be loaded in a new blank browser window.
- TARGET="_self"-This is used for overriding a <BASE>tag, and forcing a link to load in the same window that it's clicked in.
- parent exists, it acts like "_self". generally, the frame window immediately preceding in the <FRAMESET> definition. If no ARGET="_parent". This causes the document to load in the current window's parent

TARGET="_top"-The document is loaded in the top most frame of the current browse

1.1.3 The noresize attribute

can manually alter the size of a column or row of transions not want alter by user. It effectively attribute to the frame tag in the row or column whose dimensions not want alter by user. It effectively Even though you may explicitly set traine uniform. To suppress this behavior, add the noresign can manually alter the size of a column or row of frames. To suppress this behavior, add the noresign can manually alter the size of a column or row of frames. Even though you may explicitly set frame dimensions with attributes in the <frameset> tag, users Even though you may explicitly set frame dimensions with attributes in the <frameset> tag, users Even though you may explicitly set frames. To suppress this behavior, add the name of frameset.

freezes the relative proportions of all the frames.

remainder of the browser windowis always given over to the other frames in the document, the noresize attribute guarantee that the image is displayed in the intended manner and that the advertisements, abutton bar, or a logo. By fixing the size of the frame to contain image and setting advertisements, abutton bar, or a logo. By fixing the size of the frame to contain image and setting advertisements, abutton bar, or a logo. By fixing the size of the frame to contain image and setting advertisements, abutton bar, or a logo. By fixing the size of the frame to contain image and setting advertisements. The noresize attribute is especially useful for frames that contain fixed images serving a

Example:

<frame src="frame_1.html" noresize="noresize">

1.1.4 The scrolling attribute

than the allotted window space. If there is sufficient space for the content, the scrollbars disappear The browser displays vertical and horizontal scrollbars with frames whose contents are large

<frame src= "frame_1.html" noresize ="noresize">

1.1.5 The marginheight, marginwidth and frameborder attributes

for the exact number in pixels to place around the frame's contents. contents. These can change with the marginheight and marginwidth attributes, each including a value The browser normally places a small amount of space between the edge of a frame and in

You cannot make a margin less than I pixel.

Example:

<frame src="frame_a.htm" marginwidth="50">

<frame src="frame_b.htm" marginwidth="30">

or 1 and no or 0 respectively enable or disable borders for the frame. The frame border attribute is used to apply the border to the frame. Values this attribute is you

<frameset rows="20%,80%" framespacing="20" border="20">

etc. HTML Forms are required when you want to collect some data from the site visitor. For example

CGI. ASP Script or PHP script etc. The back-end application will perform required processing on the A form will take input from the site visitor and then will post it to a back-end application such a li. ASP Script or PHP script etc. The back-and and then will post it to a back-end application such a little of the little of

HTML Frames Forms and Web Development

passed data based on defined business logic inside the application

radio buttons, checkboxes, etc. There are various form elements available like text fields, textarea fields, drop-down menus,

<form action="File_URL" method="GET/POST"> The HTML < form > tag is used to create an HTML form and it has following syntax:

Put form elements here.

/form>

Attribute action	
ction	Value of this attribute is URL of any file where the data of form to be submitted on click on submit button.
method	It defines the way or method to be used to upload data. The methods used are GET and POST methods.
target	Specify the target window or frame where the result of the script will be displayed. It takes values like _blank, _self, _parent etc.

2.1 FORM ATTRIBUTES

Attribute Description Apart from common attributes, following is a list of the most frequently used form attributes:

on submit button. action: Value of this attribute is URL of any file where the data of form to be submit on click

and POST methods. method: It defines the way or method to be used to upload data. The mthods used are GET

takes values like _blank, _self, _parent etc. target: Specify the target window or frame where the result of the script will be displayed. It

2.1.1 Method Attribute

method is get. mention in action attribute on submit button click. There are two methods, get and post. The default The method attribute tells the server how to submit the form information in a file whose URL is

This sends the form information by including where the information is not secure as submitto the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is best used for forms where the information is not secure as submitted to the server in one step. It is the secure as submitted to the server in one step. ethod="get"
This sends the form information by including it on the URL. The get method sends the information are the information is not secure as end and the form information by including where the information is not secure as end and the inf

data is visible URL and amount of data submit is small.

<form method="get" action="">

When to use the get method:

Short forms, with only 1 or 2 input fields Forms with primarily select, radio, and checkbox fields

When the form needs to be called from a link.

When a form or page need ton book mark.

method="post" This sends the form information in the HTTP environment. It is a little more secure, as you

is best used when you have a lot of information to pass (either textarea tags, or just a lot of fields steps. First the browser contacts the server and after the contact is made, it sends the information, customers can't see the submitted data directly. The post method sends the data to the server in two

<form method="post" action="">

When to use the post method:

Longer forms, more than 3 input fields

Forms with large textarea fields

Forms where security is more important.

If we want make book mark to the page in that case post method is not better as post method

Difference between GET and POST does not allow to make book mark.

Features	GET	POST
History	Parameters remain in browser history because they are part of the URL	Parameters not remain in browser history because they are part of the URL
Bookmarked	Can be bookmarked	Cannot bookmarked
BACK button/re- submit behaviour	GET requests are re-executed but may not be re-submitted to server if the HTML is stored in the browser cache.	POST requests are not re- executed but may not be re- submitted to server if the HTML

HTML FRAMES FORMS AND WEB DEVELOPMENT

1		
Hacked	Easier to hack.	Chance of hacking is neglisible.
Restrictions on form data type	Yes, only ASCII characters are allowed.	No, kind of characters are allowed.
Security	GET is less secure compared to POST because data sent is part of the URL. So it's saved in browser	Highly secure as data is not visible in URL and not save in browser history.
	history and server logs in plaintext.	A Section of the sect
Restrictions on orm data length	Yes, since form data is in the URL and URL length is restricted. Only 2048 characters is allow to send safely.	No restrictions on length of data.
Sability	GET method should not be used when sending passwords or other sensitive information.	POST method is better to used when sending passwords or other sensitive information.
isibility	GET method is visible to everyoneas it will be displayed in the browser's address bar.	POST method is not visible to everyoneas data is directly submit to body.
ached	Can be cached.	Cannot cached.

through METHOD="POST" other types of characters. On the other hand, binary data, images and other files can all be submitted Only ASCII data can be submitted by GET. Special care should be taken to encode and decode

completely bypass the form-filling process. being sent as part of the URL is that one can bookmark the URLs and directly use them and of the browser by GET method which makes less secure. However, one advantage of form data All form data filled in is visible in the URL and, it is also stored in the user's web browsing history

HTML Form Controls

There are different types of form controls that you can use to collect data using HTML form:

- Text Input Controls
- Checkboxes Controls
- Radio Box Controls
- Select Box Controls
- File Select boxes

- Hidden Controls
- Clickable Buttons
- Submit and Reset Button

Text INPUT CONTROLS

There are three types of text input used on forms: Single-line text input controls - This control is used for items that require only one line of

Password input controls - This is also a single-line text input but it masks the character & user input, such as search boxes or names. They are created using HTML <input> tag.

Multi-line text input controls - This is used when the user is required to give details that soon as a user enters it. They are also created using HTMI<input> tag.

may be longer than a single sentence. Multi-line input controls are created using HTML <textarea> tag.

2.2.1 Single-line text input controls

HTML <input> tag using text value of type attribute. This control is used for items that require only one line of user input. They are created using

Example

Atml>

Here is a basic example of a single-line text input used to take first name and last name:

</head> <title>Text Input Control</title> <head>

<body>

<form>

First name: <input type="text" name="first_name" />

ŝ

Last name: <input type="text" name="last_name" />

</form>

</body>

Ahtml>

This will produce following result:

Last	First
name:	name:

HTML FRANES FORMS AND WEB DEVELOPMENT

Attributes of <input>to create textfields

Following is the list of attributes for <input> tag for creating text field.

Attribute	Description
type	Indicates the type of input control and for text input control it will be set to text.
name	Used to give a name to the control which is sent to the server to be recognized and get the value.
value	This can be used to provide an initial value inside the control.
size	Allows to specify the width of the text-input control in terms of characters.
maxlength	Allows to specify the maximum number of characters a user can enter into the text box.

2.2.2 Password input controls :

Example also created using HTML <input> tag but type attribute is set to password. This is also a single-line text input but it masks the character as soon as a user enters it. They are

/body>	/form>	assword: <input name="password" type="password"/>		ser ID : <input name="user_id" type="text"/>	form>	body>	/head>	title>Password Input Control	head>	<html></html>
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0	0				

This will produce following result:

Password:	User ID:	i

Following is the list of attributes for <input> tag for creating password field.

Attribute	Description
type	Indicates the type of input control and for password input control it will be set to password.
name	Used to give a name to the control which is sent to the server to be recognized and get the value.
value	This can be used to provide an initial value inside the control.
size	Allows to specify the width of the text-input control in terms of characters.
maxlength	Allows to specify the maximum number of characters a user can enter into the text box.

2.2.3 Multiple-Line Text Input Controls

line input controls are created using HTML <textarea> tag. This is used when the user is required to give details that may be longer than a single sentence. Multi-

Example:

<head> <html>

<title>Multiple-Line Input Control</title>

</head>

<body>

<form>

HTML FRAMES FORMS AND WEB DEVELOPMENT

Description here /textarea rows="5" cols="50" name="de Enter description here //textarva> //form> //body> //html>	ctextarea rows="5" cols="50" name="description"> Enter description here //textarva> //form> //body> //html>
	scription">

Description :

Attributes:

following is the list of attributes for <textarea> tag.

cols	rows	name	Attribute	
Indicates the number of columns of text area box	Indicates the number of rows of text area box.	Used to give a name to the control which is sent to the server to be recognized and get the value.	Description	· ·

2.3 Checkbox Control

using HTML <input> tag but type attribute is set to checkbox. Checkboxes are used when more than one option is required to be selected. They are also created

Example: 4mm7

Chest? stitle Thoshon Control Stitle

/head

Link.

<input type="checkbox" name="maths" value="on">Maths sinput type="checkbox" name="physics" value="on"> Physics

/hml VINO V / tomi

This will produce following result:

Maths [

Physics

Attributes

checked	name	type	ttribute
The value that will be used if the checkbox is selected. Set to checked if you want to select it by default.	Used to give a name to the control which is sent to the server to be recognized and get the value.	Indicates the type of input control and for checkbox input control it will be set to checkbox.	Attribute Description

2.4 Radio Button Control

also created using HTML <input> tag but type attribute is set to radio. Radio buttons are used when out of many options, just one option is required to be selected. They are

HTML Frances Forms and Web Development

Example:

<head> <html>

<title>Radio Box Control</title>

</head>

<body> <form>

<input type="radio" name="subject" value="maths">Maths

<input type="radio" name="subject" value="physics"> Physics -

</body>

</form>

</html>

This will produce following result:

Attributes

Maths

Physics

name Used to give recognized ar	type Indicates the set to radio.	Attribute Description
Used to give a name to the control which is sent to the server to be recognized and get the value.	Indicates the type of input control and for checkbox input control it will be set to radio.	

2.5 Dropdown List control Control.

are paired tag. and <option> tags are use<option> tag is child tag of <select> tag. Both <select> and <option> tags lom of drop down list, from where a user can select one or more options. For dropdown list <select> A select box, also called drop down box which provides option to list down various options in the

Example: <html> </head> <head> </form> <option value="Physics">Physics</option> <option value="Maths" selected>Maths <form> <body> <title>Select Box Control</title> <select name="dropdown"> </select>

This will produce following result:

</body>

<html>

Attributes: Following is the list of important attributes of <select> tag:

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1	
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1	

multiple If set to	size This c	name Used recogn	Attribute Description
If set to "multiple" then allows a user to select multiple items from the	This can be used to present a scrolling list box.	Used to give a name to the control which is sent to the server to be recognized and get the value.	iption
		4	

Following is the list of important attributes of <option> tag:

HTML FRAMES FORMS AND WEB DEVELOPMENT

label .	selected	value	Attribute
An alternative way of labeling options	Specifies that this option should be the initially selected value when the page loads.	The value that will be used if an option in the select box box is selected.	Attribute Description

2.6. LIST BOX CONTROL:

active when the form is submitted, then more than one value is sent, listed as separate entries. The second example shows a SELECT element rendered as a list box. If more than one entry is

<OPTION VALUE="c++">C++ <SELECT NAME="language" MULTIPLE>
<OPTION VALUE="c">C

<OPTION VALUE="lisp">Lisp <OPTION VALUE="java" SELECTED>Java

<OPTION VALUE="smalltalk">Smalltalk <OPTION VALUE="perl" SELECTED>Per

dsı

2.7 File Upload Box

to file. also known as a file select box. This is also created using the <input> element but type attribute is set If you want to allow a user to upload a file to your web site, you will need to use a file upload box,

Here is example HTML code for a form with one file upload box:

<html>

<head>

<title>File Upload Box</title>

</head>

<body>

<form> <input type="file" name="fileupload" accept="image/*" />

</form>

</body> <html>

Browse...

No file selected.

Attributes :

accept	name	Attribute
Specifies the types of files that the server accepts.	Used to give a name to the control which is sent to the server to be recognized and get the value.	Attribute Description
accepts.	n is sent to the server to be	
		r"

2.8 BUTTON CONTROLS

There are various ways in HTML to create clickable buttons. You can also create a clickable button using <input> tag by setting its type attribute to button. The type attribute can take the following values:

HTML FRAMES FORMS AND WEB DEVELOPMENT

image This cre button.	button This cre	reset This cr	submit This cr	Type Description
This creates a clickable button but we can use an image as background of the button.	This creates a button that is used to trigger a client-side script when the user clicks that button.	This creates a button that automatically resets form controls to their initial values.	This creates a button that automatically submits a form.	ption

Example:

	<input <="" td="" type=" </form></td><td><input type="/> <td><input name="</td" type="</td><td><form></td><td><body></td><td></head></td><td><iitle>File Up</td><td><head></td><td><html></td></tr><tr><td></td><td>image"/><td>button" name</td><td>'submit" name</td><td></td><td></td><td></td><td><title>File Upload Box</title></td><td></td><td></td></td>	<input name="</td" type="</td><td><form></td><td><body></td><td></head></td><td><iitle>File Up</td><td><head></td><td><html></td></tr><tr><td></td><td>image"/> <td>button" name</td> <td>'submit" name</td> <td></td> <td></td> <td></td> <td><title>File Upload Box</title></td> <td></td> <td></td>	button" name	'submit" name				<title>File Upload Box</title>		
	<input name="imagebutton" src="/html/images/logo.png" type="image"/>	<pre>sinput type="button" name="ok" value="OK" /></pre>	<pre><input name="submit" type="submit" value="Submit"/> <input name="reset" type="reset" value="Back"/></pre>				°,			
	"src="/html/in	OK" />	re="Submit" />							
	nages/logo.png									
	V									

This will produce following result:

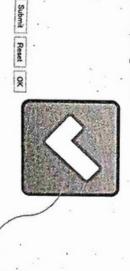


Image Button

HTAL FRANCES FORMS AND WEB DEVELOPMENT

<form action="second.html" method="post">

2.8.1 Reset and Submit Buttons

elements without sending data to server. The Reset button allows the user to creat into the reset button allow to clear the form.

The VALUE is the words that you want to appear in the box. The reset button allow to clear the form. The Reset button allows the user to clear the data they have entered in the form and start fresh

in action attribute of <form> tag. Remember that there is only one working submit button per form. The submit type button allow to send the form elements data to the file whose URL is mentioned

Standard reset and submit buttons are as follows. <NPUT type="reset" value="clear fields">

<NPUT type="submit" value="submit">

Submit Image

button, not a Reset image button. Also use an image instead of a button to send the form. Note, you can only make a Submit

<!NPUT type="image" src="submit.gif">

2.9 Hidden Form Controls

be displayed next based on the passed current page. then the value of hidden control will be sent to the web server and there it will decide which page has following hidden form is being used to keep current page number. When a user will click next page server. This control hides inside the code and does not appear on the actual page. For example Hidden form controls are used to hide data inside the page which later on can be pushed to the

xample

```
<hm/>
                       </body>
                                                                  <input type="reset" name="reset" value="Reset" />
                                                  </tom>
                                                                                             <input type="submit" name="submit" value="Submit" />
                                                                                                                     <input type="hidden" name="pagename" value="10"/>
                                                                                                                                                     -form>
                                                                                                                                                                           dody>
                                                                                                                                                                                                      <head>
                                                                                                                                                                                                                             <uide>File Upload Box</title>
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<head>

Spod>>

</head>

Shtm!>

</body>

<title>My First Page</title>

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<input type="checkbox" name="c2" value="Normal Course" /> Normal Course..<br/>br />
                             "<input type="reset" value="Cancel"/>
                                                                   <input type="submit" value="Login data" />
</fieldset>
                                                                                                                                          <input type="hidden" name="var" value="sometext" />
                                                                                                      Remarks<textarea rows="5" cols="40"></textarea><br>
                                                                                                                                                                                       Password<input type="password" name="pwd" /><br>
                                                                                                                                                                                                                             Photograph<input type="file":/><br>
                                                                                                                                                                                                                                                                <Input type="radio" name="payment" value="cheque" />Cheque<br>
                                                                                                                                                                                                                                                                                                                  <Input type="radio" name="payment" value="Cash" /> Cash
                                                                                                                                                                                                                                                                                                                                                                                       <input type="checkbox" name="c1" value="Fast Track" /> Fast Track course
                                                                                                                                                                                                                                                                                                                                                                                                                            </select><br>
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Remarks Welcome to Form Elements. Login data Cancel

2.10 Different values of 'types' attribute:

Old browsers like internet Explorer is not supported following value of 'type' attribute. There are many value can assign to 'type' attribute of <input> tag supported by new browsers.

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HTML FRAMES FORMS AND WEB DEVELOPMENT

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Try it yourself to gain more.

3. How to create a Web page? Web design itself refers to the process of creating a web page is appearance and to the choice of web design itself refers to the process of creating a web page in a website has diffe.

Web design itself refers to the process or creaming web page in a website has different a right color scheme, page layout, fonts and more. Every single web page in a website has different a right color scheme, page layout, fonts and more every single web page in a website has different a right color scheme, page layout. a right color scheme, page layout, ionis and more a right color scheme, page layout, ionis and more content, but all the pages are using a similar graphic design. Often sites will use website templates content, but all the pages are using a similar graphic design. Often sites will use website templates content, but all the pages are using a similar graphic design. Often sites will use website templates content, but all the pages are using a similar graphic design. Often sites will use website templates a right color scheme, page layout, ionis and united to the pages are using a similar graphic design. Often sites will use website templates a right color scheme. which contain all the basic elements like hover images, bullets and header banners. When the websile borders and various graphic elements like hover images, bullets and header banners. When the websile content, but all the pages are using a similar graph. the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contain all the basic elements of web design - the website's CSS style, buttons, background, which contains a supplied of the contains a supplied of the contains a supplied of the contains and the contains a supplied of the contai borders and various graphic elements live in the pages assume its appearance, using the same styles template is applied to the website, all the pages assume its appearance, using the same styles

Before you start designing your was reserved. There are different types of content, because you need to arrange them within the page's layout. There are different types of content, because you need to arrange them within the page's layout. There are different types of content, background and other graphical elements. kground and other graphical elements. You need to know the contents of the web page, you need to know the contents of the web page, Before you start designing your web page, you need to know the contents of the web page.

page you need to put the right content in the right place. because you need to arrange uncomment. In order to create a successful we text, images, videos, animations and other dynamic elements. In order to create a successful we

Explain the project:

To finish a project in a prefect and good way you have to start it effectively and with efforts, For this well preparation is required. The right preparation will save your long effort as well as time. This this well preparation is required. results into the end of your project in proper way and will help you to end it in a way you wanted

Some major things are given below: Thus a proper planning is needed.

- Purpose of site.
- Type of audience or visitors will visit the website.
- What the visitors or users wants in particular field?
- What are the essential commodities?
- Content of web site are matters the effectiveness of web site.

So all above is need are requires a lot of mind work. And prepared to answer the web sit

Designer searching

website you are looking for. Also, search a designer who fits your budget, Even a simple websit costs around a few hundred dollars. Many factors contribute to the cost of a web project. Following net. Search them. look for an experienced website designer who has already created a kind of is prefect for your tastes better than any other. Well known web designers have proper portfolios of things are decides the cost of web site. We that not all designer is good in all fields. Once defining your project look for a designer wh

- The bulk (size) or no. of pages of website.
- Content of website.
- The level of coding required
- Price of the designer
- The flash information.

HTML FRAMES FORMS AND WEB DEVELOPMENT

guilding website according to the user's need:

update contents regularly. Some ways to make website more power full are given below: of your site should be well enough so that they can find. A good site will continue to change and customer? Probably not. There are many way to promote you site affects. The navigation structure we gets minds of all. So how will we make to look for the business name or products we offer to the is what the user's want. This is not easy as all kinds of people who will visit your website, and how major myth by all owners are we have made our website to be attractive to users as what we want this the website owner should make his website according to what the users want to find. But a directly on business. Every website owner wants his website to be attractive to the visitor. So to do Make our website attractive is first demand of website owner as attractiveness of website

- People or the visitors are always attracted to the sites which offer something new every time they open it. This means that you have to update it regularly.
- content according to the current needs. The search engines are most prevalent today. They include those sites which give relevant

4. Website Planning

proved that most often problems and error occur because of lack of website planning. webpage. Website planning probably is the most important part of website development process. It is Website planning is an essential step when you decide to create website even if it's your personal

Steps of planning a website are:

Serring up website goals:

purpose clear and plan for the future when expansion, modification and improvement will take place. content of the site is developed. Setting short and long term goals for the website will help make the clearly defined purpose will help the rest of the planning purpose as the audience is identified and the This helps us tracking the progress of the site and determine its success level architecture. Goals will find what the websites will accomplish and what users will get from it. A It is very essential to define the purpose of the website as one of the first steps in the planning

Defining website audience:

reason. It is important for you to judge that what they are looking for in your website. to visit the website are called audience. These people may be viewing the website for a particular Defining the audience is a key step in the planning process. A group of people who are expected

- A list of characteristics common to users are:
- Audience characteristics.
- Audience information preference
- Audience computer specification.
- audience. Audience web experience. An effective website will be created taking into account the

4.3 WEBSITECONTENT PLANNING:

step in website planning. It is a good loca to use information are organized by categorization compare the offerings to the audience needs. The basic information are organized by categorization Collecting a list of necessary content then organizers. The basic information are organized by categorism and purpose on a focus group and step in website planning. It is a good idea to test the content and purpose on a focus group and step in website planning. It is a good idea to test the content and purpose on a focus group and step in website planning. It is a good idea to test the content and purpose on a focus group and step in website planning. It is a good idea to test the content and purpose on a focus group and step in website planning. Content evaluation and organization requires that the accordingly to the audiences needs is a key Collecting a list of necessary content then organizing it accordingly to the audiences needs is a key Collecting a list of necessary content then organizing it accordingly to the audiences needs is a key Collecting a list of necessary content then organizing it accordingly to the audiences needs is a key Collecting a list of necessary content then organizing it accordingly to the audiences needs is a key Collecting a list of necessary content then organize the content and purpose on a focus ground key. Websitecontent planning.

Content evaluation and organization requires that the purpose of the website be clearly defined.

4.4 DOCUMENT PLANNING:

wireframe make up model or comprehensive layout. If what the page will actually look like or the weesste. Leximentation increases may be designed in greater detail as website connect them. Some or all of the individual pages may be designed in greater detail as website connect them. Some or all of the individual pages may be designed in greater detail as website Oxumentation is a prototype of a weekers include using pieces of paper and drawing lines to of the website. Dxumentation methods may include using pieces of paper and drawing lines to and content to design the site structure. Content and process increases, the likelihood of success the likelihood of success.

Documentation is a protocype of a website. This review process increases, the likelihood of success Documentation is used to visually plan use one interactions that are most suitable for a websile, and content to design the site structure, content and interactions that are most suitable for a websile, and content to design the site structure. Only plan use of the site structure, content and interactions that are most suitable for a websile, and content to design the site structure. Only plan use of the site structure. Documentation is used to visually plan the site white taking into account the purpose, audience

5. NAVIGATION AND THEME

5.1 Navigation

in the site. In a larger site, with maybe hundreds or thousands of pages of content, web search is the only efficient means to locate particular content pages or to find all pages that mention a keyword or mitial phases of a user's visit to your site. search phrase. Browse interfaces composed of major site and content landmarks are essential in the If your site has large number of pages, and users will expect web search options to find content

heavily visited by other users and is therefore unlikely to appear as a link in a major navigation page. Search is the most efficient means to reach specific content, particularly if that content is not

the means to find content out there in the long tail where it might otherwise remain undiscovered as As the user's needs get more specific than a browser interface can handle, search engines are

shown in figure below. Paga vlaws STATE OF STATE regularies by popularly The "long tail" of seldom-visited pages Search is the only practical navigation in the flong tail

HTML FRAMES FORMS AND WEB DEVELOPMENT

would probably read the content of your page and would look around for more. have to see from their point of view as what would they do as and when they open your site. They Navigation of links on your site plays a role in determining the stickiness of your. The visitors

must be the part of the previous page. more attractive and easy such that a person will turn that this page seems to be like that page so it white space for your site enhances its looks. Try to keep the focus on your content. All pages or a goup of pages should have one basic design and only the content varies. This will make your website Importance of Layout and Navigation: A clean layout and neat navigation and using a lot of

Important Points:

- Prepare navigation before designing to prevent clustering the website's forgotten links.
- If website having large number of links then it is better to use dropdown menus to save the window area and for better look.
- their most popular in-built behaviours If you have fireworks or any other software then macromedia drop-down menus are one of
- Maintain an index or a site map to help people what they are looking for.
- case you probably will be adding pages time to time. The navigation should be flexible enough to accommodate any amount of additional links in
- Keep the main links together so that the audience or the visitors could know what your site

5.2 THEMES

to do so. Themes can be designed for specific devices such as mobile phones or tablets. Themes can be applied on the site, category, course and activity levels by users with permissions

CSs, changing the underlying markup structure and also adding JavaScript to add more advanced can also be based on parent themes with only few customizations. Themes accomplish this using You can use contributed themes or create your entire own to share with the community. Themes

I easy to create new themes that simply seek out to make minor changes will act as a fallback that is used when nothing has been defined in the theme based on it. This makes one. For example Moodle, a Theme architecture is designed in such a way whereby the base theme Most theme developers simply add a few changes to their new theme by basing it on an existing

attening your website's content or taking it offline lemplates are also sometimes called "themes." You can change templates whenever you like without When you want to change the appearance of your website, you can simply install a new template

be seen, heard or interact by the end user. A web page, as an information set, can contain numerous types of information, which is able to

A basic web page has four main elements

Hypertext Markup Language

- CX
- Graphics
- Links

the intmi extension will be automatically added. For details see previous chapters. page. A web page is a Hypertext market the form. When you save your web page in Compose, dreaments are saved with the file extensions hand or horalls see previous chapters. Hyperics: Markup Language is the coor user comment. Hypertext Markup Language document. Hypertext Markup Language page. A web page is a Hypericst Markup Language page. A web page is a Hypericst Markup Language page. Hypertext Markup Language wpertext Markup Language is the code that browsers interprets to GUI form to "read" a Web

The consists of headings, accompanies by typing directly onto the open Composer page was very page. It is not page by typing directly onto the open Composer page. The consists of headings, descriptions, directions, and information that you wish to include in

illustrations and sometimes, just for fur. Web graphic files applically carry the file extension gif or war page graphics are many to the file are used as backgrounds, bullets, page dividers, signpost, and insert into your war page that the file attention. ing. Granners can use a long time to load and should be used sparingly. Welt pure graphics are image files (phonographs, icons, pictures, certoons, animations) that you

WEBSITE DEVELOPMENT AND STEPS OF CREATING WEBSITE

Cor Your DONAIN NAME

constant a passines tame name. Coming a nume dices not get you a website or anything like that. It's just a name. It is like we will be not a domain name, southern to pay an arrowal fee to a registrar for the right to use that first ming you need is no get a domain name. This is the name you want to give to you

Chaose a Web Host

it getting a denum work is analogous to getting a business name, getting a web hosting accounts just tarenting office or shop for your business. view them. You will need to ugat up for an account with a web host so that your website has a home was place on set place of their computers, everyone in the world will be able to connect to it and I wan have a havically a company that has many computers connected to the Internet. When

After you sign up for a web hosting account, you will need to point your domain to that account on

Design your Web Pages

pages and a feedback form, and maintain your site, Once you have settled your domain name and web host, next step is design the web site itself. For design a website you must have good knowledge of HTML, DHTML, CSS, JavaScript and any server side language in the ACD TOTAL TOTAL CSS, JavaScript and any server side language i.e. php. ASP.NET or JEEE. And creates a fully-functional website with multiple

HTML FRANCES FORMS AND WEB DEVELOPMENT

TESTING YOUR WEBSITE

the way you want it to on your visitors' machines. Check all validation required. bowser. Directly testing your site in all browsers is the only way you can really be sure that it works Now you will need to test your web pages as you design them in the major browsers; the latest

GETTING YOUR SITE NOTICES

already linked to by other websites, you may not even need to submit it to these search engines. They will probably find it themselves the links on those websites. When your site is ready, you can submit it to search engines like Google and Bing. If your site is

advertisements in the newspapers etc. There are some companies which promote your website. Apart from submitting your site to the search engine, you may also promoting it in other ways.

8. WEbsite Publishing:

content may include text, images, videos, and other types of media. includes creating and uploading websites, updating webpages, and posting blogs online. The published Web publishing, or "online publishing." is the process of publishing content on the Internet. It

- To publish a website, you must know what a website must have to be published. A website maintained by many companies. Also, a web Site website must have an allocated webspace. This is provided by webserver which every domain name is registered. It identifies a domain name with unique id or password. has a unique address called as domain name. There is a domain name server (DNS) with
- and password provided by service provider After this Upload the content of the web pages as it is to the web server with FTP address. Look on the web if the name which you selected already is a registered name for a website.

In order to publish content on the web. you need three things:

- Web development software,
- An Internet connection.
- And a web server.

servers through a free service like Blogger. reside on shared servers, which host multiple websites. Most blogs are published on public web content to the web server. Large sites may use a dedicated web host, but many smaller sites often based interface like WordPress. The Internet connection serves as the medium for uploading the The software may be a professional web design program like Dreamweaver or a simple web-

by anyone in the world with an Internet connection. These advantages of web publishing have led to aweb publisher. Additionally, the audience is limitless since content posted on the web can be viewed anewera of personal publishing that was not possible before nothing to publish content on the web. Therefore, anyone with the three requirements above can be Since web publishing doesn't require physical materials such as paper and ink, it costs almost

Web publishing generally refers to uploading content to unique websites.

Website Publicizing:

You are already communicating with Methods to reach audience. widely as possible. There are two key audience to which you can publicize your website to people Once you have built your website the next task is to make sure you're publicized your site as

from your organization. Your web address should be located in: **UL**For publicizing yours URL, add your web address to every piece of communication that c_{00}

Business cards

Fax cover sheets Final Messages: List your web address at the bottom of every email message sent by the people in your organization have a database of members or other who take an action to the control of the contro interest in your work, be sure to tell your member about your website.

between the client and the wen designed the web site. Getting the structure right will between the history between the various pages on the web site. No web site design can be completed unan unverse. No web site design can be completed unan unverse. The structure will dictate the names of the navigate between the client and the web designer. The structure will dictate the names of the navigate between the client and the web designer. 7. STRUCTURING THE THE THE PAGE STRUCTURE Of the site is established and agency No web site design can be completed until the page structure will dictate the names of the names of the names.

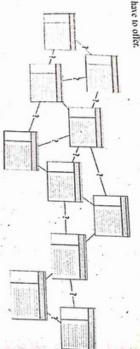
a long way to ensuring the visitor enjoys a good experience on the site. ang way to ensuring the visitor to possible for the designer to create a logical and easy.

The structure of the site should make it possible for the content they want to see entire.

follow navigation system to permit the content, particularly news items or new productions, it should also make it easy to add fresh content, particularly news items or new productions of the site. The structure of the site sitema of the visitor to reach the content they want to see quickly at footh content, particularly news items or new many follows navigations system to permit the visitor to reach the content, particularly news items or new many follows navigations as the content.

services, without major change to the graphic design of the site. A logical, consistently named site organization allows users to make successful predictions alogarithms and disolaving information remains and disolaving remains and disola

features, users will be frustrated by the difficulties of getting around and understanding what we features. that is neither logical not predictable, or constantly uses different or ambiguous terms to describe extend their knowledge from familiar pages to unfamiliar ones. If you mislead users with a struggested their knowledge from familiar pages to unfamiliar ones. A region, consistent methods of organizing and displaying information permit users where to find things. Consistent methods of organizing and displaying information permit users



Users try to imagine the site structure as well, and a successful information architecture will help user build a firm and predictable mental model of your site. Don't make a confusing web of links. Designers aren't the only ones who make models of six

HTML FRAMES FORMS AND WEB DEVELOPMENT

EXERCISE

VERY SHORT QUESTIONS

QI. Write down the names of the tags which are used to create frames in HTML

02. What is roll of <frameset> tag?

Q3. What is roll of <frame> tag?

Q4. Write down the values of NORESIZE and SCROLLING attribute and their effects.

05. Write down roll of action attribute of <form> tag.

Q6. How many submit button can apply on a form?

Q1. Why <SELECT> tag <OPTION> tag is used in form?

Q8. Explain difference between working of submit and reset button?

Q10. What is web publicizing? Q9. What is use of hidden fields in form?

SHORT QUESTIONS

Q1. Write a note on <frameset> tag.

Q2. What are disadvantage of frame?

03. What is roll of method attribute in form? Explain difference between GET and POST methods Which is better?

Q4. Write down different types of controls of form.

Q5. Explain different text input controls of form.

Q6. Why name of different radio button in group is same? Explain with example.

Q7. How dropdown list and list box are created in HTML, explain with code

Q8. How to create web page?

Q9. Write short note on following:

Navigation in web site.

b. . Theme in web site.

Q10. Write a note on web page elements.

QII. Write down steps of web publishing and publicizing

012. What do you mean by web structuring in web site development?

LONG QUESTIONS

QI. What is used of frames in HTML? Explain all tags which are used to create frame in HTML. Write down proper code to create frame in HTML.

Q2. Why forms are useful? Explain different types of button used in form. Write note on GET and

Q3. Explain different controls of form with proper code.

Q4. Write down steps for planning of web site.

05. Explain all steps of creating and developing of website

