

Unit-III

DHTML and CSS

. INTRODUCTION TO DHTML

HTML stands for Hypertext markup language and DHTML stands for Dynamic HTML, Hin is basically a markup language used for creating tags but DHTML is not a language DHTML is a

interactive and animated web sites. Difficulty language, such as JavaScript. a presentation definition to incorporate a client-side scripting language, such as JavaScript. a presentation definition to incorporate a client-side scripting language. Standard technology.

DHTML is essentially Dynamic HTML. It is a new way of looking at and controlling the standard technologies that are treat. language, such as CSS, and the Document Object Model in HTML web pages. HTML codes and commands. DHTML gives more control over the HTML elements, help interactive and animated web sites. DHTML gives more control over the HTML elements, help interactive and animated web sites. DHTML is essentially Dynamic H.ML. It is a line of technologies that are used to the HTML codes and commands. DHTML is a collection of technologies that are used to the HTML elements to the control over the HTML elements.

allows scripting languages to change a wee process. It also allows the user to add effects to their pages that loaded and during the viewing process. It also allows the user to add effects to their pages that allows scripting languages to change a web page's look and function after the page has been allows scripting languages to change a web page's look and function after the page has been allows scripting languages to change a web page's look and function after the page has been allows scripting languages to change a web page's look and function after the page has been allowed the pa DHTML also allows the pages to change at any time, without returning to the Web server fig

otherwise difficult to achieve.

JavaScript and CSS. It just uses these languages features to build dynamic web pages. DHTML a feature of Netscape Communicator 4.0 and Microsoft Internet Explorer 4.0 and 5.0 and is entire As say earlier. DHTML stands for Dynamic HTML. The first thing that we need to clear about can allow Web documents to look and act like desktop applications or multimedia productions. and allowing a user to "drag and drop" an image to another place on a Web page. Dynamic HTM capabilities include having the color of a text heading change when a user passes a mouse or HTML. Much of dynamic HTML is specified in HTML 4.0. Simple examples of dynamic HTML tags and options that can make Web pages more animated and interactive than previous versions DHTML is that it is neither a language like HTML. JavaScript etc. It is just a combination of HTML "client-side" technology. Dynamic HTML is a collective term for a combination of Hypertext Markup Language (HTML)

1.1 DHTML features:

- DHTML use low-bandwidth effect which enhance web page functionality.
- It's simplest feature is making the page dynamic.
- Can be used to create animations, games, applications, provide new ways of navigating thou
- Dynamic building of web pages is simple as no plug-in is required.
- Facilitates the usage of events, methods and properties and code reuse.
- point to any ending point, following a predetermined path or one chosen by the user. Animate text and images in their document, independently moving each element from any statistics to any entire received the state of th

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Embed a ticker that automatically refreshes its content with the latest news, stock quotes, of

Use form to capture user input, and then process, verify and respond to that data without having Include rollover buttons or drop-down menus. to send data back to the server which enhance the speed of website.

Differences between HTML and DHTML:

HTML is a mark-up language, while DHTML is a collection of technology.

DHTML creates dynamic web pages, whereas HTML creates static web pages

DHTML allows including small animations and dynamic menus in Web pages but HTML is not

DHML used events. methods, properties to insulate dynamism in HTML Pages. HTML sites will be slow upon client-side technologies, while DHTML sites will be fast enough HTML is used to describe the web page but DHML is collection of JavaScript and style sheets

HTML creates a plain page without any styles and Scripts called as HTML. Whereas, DHTML time rendering to server for celli mistake. upon client-side technologies as most of entries are checked on browser itself and not waste

creates a page with HTML, CSS, DOM and Scripts called as DHTML.

HTML cannot have any server side code but DHTML may contain server side code.

In HTML, there is no need for database connectivity, but DHTML may require connecting to a database as it interacts with user.

HTML files are stored with .htm or .html extension. while DHTML files are stored with .dhtm

Other major differences between HTML and DHTML are given below. HTML does not require any processing from browser, while DHTML requires processing from browser which changes its look and feel.

HTML	DHTML
HTML works slowly upon client	DHTML sited works faster upon client-side
technologies	technologies.
HTML is static in nature.	DHTML is dynamic in nature.
HTML files are saved with .htm or .html	HTML files are saved with .htm or .html DHTML files are saved with .htm extension.
extension.	
HTML does not makes use of any	DHTML uses events, methods and methods
	and much more for providing dynamism for
ic.	HTML pages
	DHTML requires processing from browser
processing from browser.	which changes its look and feel.

ow as:

1. JavaScript: Whether call it JavaScript. Jscript, or ECMAScript, it is the most common own as:

1. JavaScript: Whether call it JavaScript. Jscript, or ECMAScript, it is the most common own as:

language used for client-side scripting. Live in JavaScript comes with virtually end for client-side scripting. JavaScript dayaScript function to query virtually every browser. In DHTML JavaScript avaScript function to query browser. For example, an onload event could execute a JavaScript function to query be browser. For example, an onload event could execute a first-time visitor to the page browser's cookies collection to determine whether the user is a first-time visitor to the page. JavaScript: Whether call it JavaScript. JavaScript reason for this JavaScript comes with virtually lavaScript JavaScript comes with virtually was

Detail about JavaScript will discuss "...... This is used for the presentation part of the Net CSS: It stands for Cascading Style Sheet. This is used for the page. The look & feel of the and the element level using JavaScript with event handlers, they can add a significant anon page. In simple words it holds the document to simple words it holds the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. In DHTML CSS rules can be modified at both the document to simple words on CSS. page. In simple words it holds the designing of the page. The look & feel of the page. In simple words it holds the designing of the page. In simple words it holds the designing of the page. The look & feel of the page. Detail about JavaScript will discuss in next unit (Unit IV).

of dynamism with very must work.

DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for Dynamic Object Model and it is the weakest link in DHTML as man DOM: It stands for DOM: It s Model is a platform and language-neutral interface that allows program and scripts of dynamism with very little code:

HTML: It stands for Hyper Text Markup Language. As the names suggest it is not programming language, it is a markup language which consists of a set of markup tags, dynamically access the content and update it.

2. Introduction to CSS

are to be displayed, just like the font tag and the color attribute in HTML 3.2. To solve this problem www3c(www Consortium) creates CSS. Style sheet is a collection of formatting styles which can be considered to the constant of the cons be applied to a web page. Cascading Style Sheet (CSS) is a way to control the look and feel of your HTML documents an organized and efficient manner. Cascading style sheets (CSS) is a standard defined by the West appearance of text and formats than standard HTML. Styles sheets define how HTML element Wide Web Consortium that offers designers more flexibility and accuracy when defining the

of the webpage without affecting its HTML structure. an organized and efficient manner. Essentially, CSS allows designers to manipulate the appearant Cascading Style Sheet (CSS) is a way to control the look and feel of your HTML documents

columns are sized and laid out, what background images or colors are used, as well as a variety CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, by process of making web pages presentable. CSS handles the look and feel part of a web page. Usig Cascading Style Sheets, referred to as CSS, is a simple design language intended to simplify the

For example if you wanted to change all the markup languages HTML or XHTML For example, if you wanted to change all the text in your document to blue, and all the headling CSS is easy to learn and understand but it provides powerful control over the presentation of the design of the design of the presentation of the design of

with just one instruction, and then perform another step to change the headlines to green. with just one instruction, and then perform and the body elements in the entire document to turn by one. By using CSS, it's nossible to redefine the LL.

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becomes a recommendation. constitutions. When a specification has been discussed and officially ratified by W3C members, it specifications. CSS is created and maintained through a group of people within the W3C (World Wide Web Consortium) called the CSS Working Group. The CSS Working Group creates documents called consortions. When a specification has been attacked to the CSS working Group creates documents called the CSS when a specification has been attacked to the CSS working Group creates documents called the CSS when a specification has been attacked to the CSS working Group creates documents called the CSS when a specific the CSS working Group creates documents called the CSS when a specific the CSS working Group creates documents called the CSS when a specific the CSS working Group creates documents called the CSS when a specific the CSS working Group creates documents called the CSS when a specific the CSS working Group creates documents called the CSS when a specific the CSS working Group creates documents called the CSS when a specific the CSS when a specific the CSS when a specific the CSS working Group creates documents called the CSS when a specific the CSS when a specif

the actual implementation of the language. Independent companies and organizations create that These ratified specifications are called recommendations because the W3C has no control over

software. about how the Internet works and how it should evolve. NOTE: The World Wide Web Consortium, or W3C is a group that makes recommendations

2.1 Advantages of CSS:

- CSS saves time--You can write CSS once and then reuse same sheet in multiple HTML pages. so you have not need to waste time again and again in formatting. You can define a style for each HTML element and apply it to as many Web pages as you want
- pages load faster -- If you are using CSS, you do not need to write HTML tag attributes every means faster download times and enhance the website accessing time. time. Just write one CSS rule of a tag and apply to all the occurrences of that tag. So less code
- Easy maintenance-- To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.
- Superior styles to HTML- CSS has a much wider array of attributes than HTML so you car give far better look to your HTML page in comparison of HTML attributes.
- Multiple Device Compatibility- Style sheets allow content to be optimized for more than one presented for handheld devices such as PDAs and cell phones or for printing. type of device. By using the same HTML document, different versions of a website can be
- Global web standards- Now HTML attributes are being deprecated and it is being recommended to use CSS. So it is a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.

change the style, and all elements in the Website are updated automatically to control the style and layout of multiple Web pages all at once. To make a global change, simply and layout of all the pages in your Website, by changing one CSS document. CSS allows developers also they can be embedded in html file. External sixle sheets enable you to change the appearance There are two type of Styles Sheets. Style sheet are normally saved in external .css files and

selector occurs in the style sheets that have the same priority the last one willbe used The styles are said to "cascade" in that later styles override earlier styles. If more than one

THE BASIC SYNTAX OF CSS

3.1 CSS Rule

a selector and a declaration. you take a look at it. It consists of only three parts. A CSS rule is simply a statement that consists of The syntax for CSS is different than that of HTML markup. Though it is not too confusing, once

Selector: A selector is a string that identifies what elements the corresponding rule applies to and is the first part of the rule. Selector is the hook used to choose what part(s) of your HTML to

properties, and each property within that selector can have independent values apply the CSS. It indicates the element to which the rule is applied. Each selector can have multiple

Declaration Block: This part of the rule is constant to be property and the one after two sections separated by a colon. The section before the colon is the **Property** and "}", is called the colon is the **value** of that property. Everything within the curly brackets, "{" and "}", is called the perties, and each property within that server perties, and each property within that server with in curly brackets. A Declaration has Declaration becomes the colon is the Property and the one has

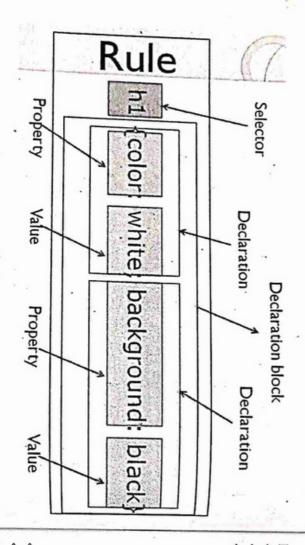
declaration block.

Multiple properties are separated by a semi colon. Multiple values within a property are separated by commas, and if an individual value contains more than one word you surround it with quotation by commas.

is a combination of a CSS Property and a value. Inside a declaration block you can have as many declarations as you want and each declaration

font-family, position and is followed by a colon (:). changed (or styled). The property is the actual property title specifies a characteristic, such as color Property: Property is one of the CSS Properties used to tell what part of the selector willbe

in single quotation. Value: Value is assigns a value to the property. Value is the style you apply to that property. There is no space is allow between property, colon and value. Value are not put double quotation or



The syntax of a style rule is as follow:

Where Selector = Any HTML tag Selector {Property : Value;}

Property = Attribute like font color, font size etc.

Value = Setting for the attribute.

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color:blue; is the Declaration, HI is the Selector, Color is the Property and blue is the value. Example: H1 (color:blue)

1,2 Types of selectors

3.2.1 Tag Selectoror CSS has several types of selectors. Explaining all of them in detail would take too long.

or article. This is the same selector we have seen above. These are simply name of the elements or HTML tag so it is known as tag selector, eg. hl, p, div

Example: Tag_name Property: Value;

金 <title>Internal Style sheet</title> Acad> <style type="text/css"> background-color:pink; color:Blue;

<head> </style> color:green; background-color: Yellow;

<hI>WelcomTo CSS </hI> <h2>CSS is not Define for <H2>.</h2> <h1>CSS is Define for <H1>.</h1> <h3>CSS is Define for <H3>.</h3> <a>h3>CSS is Define for <H3>.h3>

</hdy>

Welcom To CSS

CSS is Define for <H1>.

CSS is not Define for <H2>.

CSS is Define for <H3>.

CSS is Define for <H3>.

color and background. Instead of making a rule for each heading separate, you can group them, Group them together by separating each selector with a comma. can group selectors, declarations or everything. If you want all your heading fevels to have the same the name of any element type You can group selectors. Separate each selector with a comma. You Rather than selecting elements of a specific type, the universal selector quite simply matches

```
Synatx:
Property: Value;
                                      Tag_1, Tag_2, Tag_3......Tag_n
```

```
<htm>>
                   <title>Internal Style sheet</title>
                                         <head>
                                                                               Example
<style type="text/css">
```

color:green;

h3,hI background-color:pink;

> DHTML AND CSS Mead> 4body> 400dy> 4style> chl>Welcome To CSS </hl> 4h3>CSS is Define for <H3>.</h3> 4h3>CSS is Define for <H3>.</h3> https://doi.org/10.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15.258/15 4h1>CSS is Define for <H1>.</h1>

Welcome To CSS

CSS is Define for <H1>.

CSS is not Define for <H2>.

CSS is Define for <H3>.

CSS is Define for <H3>.

3.2.2 ID Selector

ID selector is use to apply style to the selected parts of text. In this style each ID selector has aunique identifier. An ID selector is preceded by a hash (#) mark and to apply ID selector the ID attribute of an HTML tag is used.

combination with an element selector. ID selector can be used independently of HTML elements. They can be used on their own or in

blue.text. So for this purpose use id selector suppose you want only certain Heading to have blue text. HI {color: blue;} not all heading turns in

<STYLE> #ID-selector-name

{Property : Value } <BODY> </STYLE>

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```
</body>
                                                                                                                                                                                               </head>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <title>Internal Style sheet</title>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <head>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ahtml>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example:
                                               <h2 id="style2">ID Selector is apply on &lt;H2&gt;</h2>
                     <h3 id="style2">ID Selector is apply on &lt;H3&gt;.</h3>
                                                                               <h1 id="style2">Style attribute.</h2>
                                                                                                             <h1 id="style2">ID Selector use style attribute.</h1>
                                                                                                                                       <h1 id="style1">ID Selector is apply on &lt;H1&gt;.</h1>
                                                                                                                                                                                                                          </style>
                                                                                                                                                                                                                                                                                                                                                                   #style2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #style1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <style type="text/css">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3. ID selector can be applied to any of the HTML tag by using the ID attribute.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2. The ID selector is preceded with a hash(#).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1. ID-selector name can be any valid string of characters.
                                                                                                                                                                                                                                                                               color:green;
                                                                                                                                                                                                                                                                                                           background-color:yellow;
                                                                                                                                                                                                                                                                                                                                                                                                                          color:blue;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   background-color:pink;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <P ID="ID-selector-name">
```

D Selector is apply on <H1>

D Selector use style attribute.

Style attribute.

p Selector is apply on <H2>

D Selector is apply on <H3>.

3.2.3. Class Selector

element selector. be used independently of HTML elements. They can be used on their own or in combination with an Class and ID selector types have one thing in common, that Class selector and ID selector can

in blue text. Suppose you want only certain Heading to have blue text. P {color: blue;} not all heading turns

not necessarily to the whole document. To create class selector use dot (.) symbol The Class selector gives authors the ability to apply styles to specific parts of a document and

<STYLE>

.class-name { Property : Value

<BODY>

</STYLE>

<P CLASS="class-name">

</BODY>

- class-name can be any valid string of characters.
- 2. The CLASS selector is preceded with a dot(.) called the Flag Character.

With the class selector you can define different styles for the same type of HTML element. 3. Class selector can be applied to any of the HTML tag by using the CLASS attribute.

Example:

<head> ^html>

Stitle>Internal Style sheet</title>

```
<body>
</html>
                        </body>
                                                                                                                                                                                                                                 </head>
                                                                                                                                                                                                                                                                                                                                                                                                     .style2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .style1
                                                   <h3 class="style2">Class Selector is apply on &lt;H3&gt;.</h3>
                                                                                                                                                                  <h1 class="style1">Class Selector is apply on &lt;H1&gt;.</h1>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <style type="text/css">
                                                                                                                                                                                                                                                           </style>
                                                                             <h2 class="style1">Class Selector is apply on &lt;H2&gt;</h2>
                                                                                                           <h1 class="style2">Class attribute in available in all Tags.</h1>
                                                                                                                                        <h1 class="style2">Class Selector use style attribute.</h1>
                                                                                                                                                                                                                                                                                                                                              background-color:yellow;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    color:blue;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              background-color:pink;
                                                                                                                                                                                                                                                                                                                color:green;
```

Class Selector is apply on <H1>.

Class Selector use style attribute.

Class attribute in available in all Tags.

Class Selector is apply on <H2>

Class Selector is apply on <H3>.

Web Designing & Multimedy

DHTML AND CSS

ID = A person's Identification (ID) is unique to one person. Class = There are many people in a class

Use IDs when there is only one occurrence per page or in case you have info that is unique in document (footer, title, ...); Use classes when there are one or more occurrences per page. In we must use "id=name" instead of "class=name" in a feature of the control of the contro HTML we must use "id=name" instead of "class=name" to reference it.

32.4. Comment tags now when you edit the source code at a later date. A comment will be ignored by browsers. You can be commented but not interpret. So, Comments are used to explain your code and may help reads the comments the source code at a later data. kelp of the state will be ignored by browsers in the following manner. It means browser to the state of the s kelp others who may see your file or to help you remember what you we're thinking at a later date. There are two type of comments in CSS same which are used in C language. Comments can be used to explain why you added certain selectors within your css file. So as to

It is Single Line comment is

lis multiple Line comment.

CSS Comments:-

ACSS comment begins with "/*", and ends with "*/", like this:

*This is a comment */

4. Type of CSS

4.1 INLINE CSS

inyour markup with the "style" attribute. The first way is called Inline Cascading Style Sheets. You can add CSS directly into the elements

Syntax: INLINE Style declaration is the most basic Style rule, which can be applied to individual tags in the web page. Inline Style are implemented by using Style attribute with the HTML tags.

<HTML_tag STYLE="Property:Value">

-html> Example is :

<head>

ditle>Inline Style sheet</title>

</head>

<h1 STYLE="color:Olive;">Inline Style Sheet</h1 Exapmle.>

Shody>

The big difference between Class and ID:

apply the style rule. it individually in the Inline Style. Each of these tags when used in the BODY of the HTML code wi 4.2 INTERNAL STYLE SHEET You can group more than one style rule using the <STYLE></STYLE> tag pair instead applying

```
The Syntax is:
<BODY>
           </HEAD>
                                                   <HEAD>
                                                            <HTML>
                     </STYLE>
                                        <STYLE>
                               STYLE RULE
```

method can be good if you need to style only one page. To apply internal CSS use <STYLE> tag in head portion. Within the <STYLE> element is the CSS that will be applied to that page. There is no document) and that would apply this CSS to the elements of that web page. the <head> area of your web page (anywhere after <head> and before </head> in your HTMI the page. Meaning that any changes you want to make to one page, will have to be made to all. This limit to the amount of CSS you can put inside the <STYLE>element. You would enter this code in </BODY> <HTML>With this method each HTML file contains the CSS code needed to style

Example:

```
<title>Internal Style sheet</title>
                                                                                                                                                                                                                                                                                                                                                                                            <head>
                                                                                                                                                                                                                                                                                                                                                                                                                 Ahtml>
                                                                            <body>
                                                                                              </head>
                                              <h1>Welcome To CSS </h1>
                                                                                                                                                                                                                                                                                                                                               <style type="text/css">
<h3>CSS is Define for &lt;H3&gt;.</h3>
                        <h1>Internal CSS Example,</h1>
                                                                                                                 </style>
                                                                                                                                                        color:green;
                                                                                                                                                                          background-color: Yellow;
                                                                                                                                                                                                                                                                color:Blue;
                                                                                                                                                                                                                                                                                 background-color:pink;
```

4html> 4body? DHTML AND CSS CSS is Define for <H3>. CSS is Define for <H3>. Internal CSS Example. Welcome To CSS 2h3>CSS is Define for &It;H3>.</h3>

4.3 EXTERNAL STYLE SHEETS

Then this external style sheet must be linked with the sheet that requires the style rules to be applied. siles rules must be written in a document and saved in a separate file with an extension of .CSS External CSS files are documents that contain only CSS code. For constructing a CSS, first

Syntax: ATML>

<HEAD>

dINK REL="STYLESHEET" HREF="Directory path where style sheet is saved" TYPE="text/

<BODY> </HEAD>

</BODY>

<HTML>

his file can then be included into many different pages. This allows to make one document that has andling only one file. Resyling for your entire website. Then include that file into every page of website. This is the Skets (or External Style Sheets). An external CSS file is simply a text file with a ".css" extension. hadi....ed way of using CSS in website as it make global visual changes to an entire website by This and most advantageous way to embed CSS into a document uses External Cascading Style

Ahml>

document and the document relationship between the current The REL attribute describes the identified by the href attribute

> the style sheet the relative URL to HREF attribute states

<Title>Demo_I </Title> <Style type="text/css"> <Head?

k rei="stylsheet" type="text/css" href="style.css">

</Head> </Style>

First make text file with .css extension containing code given below and name this file as Extrem.csg

color:blue;

background-color:red;

color:white:

document. Now create a First.html file where link the Extern.css file using <LINK> tag in head portion of

<head>

<link href="Extern.css" type="text/css" rel="StyleSheet" />

<h3>CSS is Define for <H3>.</h3> <h3>CSS is Define for <H3>.</h3>

Example:

background-color:pink;

<title>External Style sheet</title>

</head>

<h1>Welcome To CSS </h1>

<h1>External CSS Example.</h1>

DHTML AND CSS

4body>

Welcome To CSS

External CSS Exam

CSS is Define for <H3>.

CSS is Define for <H3>.

to make global changes to entire website. pages. This means, that if we need to alter the design of all pages, we only need to edit one cess file By using an external style sheet, all of HTML files link to one CSS file in order to style the

Here are reasons for better.

- Easier Maintenance
- Reduced File Size
- Reduced Bandwidth
- Improved Flexibility

Cascading Order:

- Inline style (inside an HTML element)
- Internal style sheet (inside the tag)
- External style sheet
- Browser default

style> tags or rules defined in any external style sheet file. Any rule defined in <style>...</style> are not applicable. lags will override rules defined in any external style sheet file. Any rule defined in external style meet file takes lowest priority and rules defined in this file will be applied only when above two rules Any inline style sheet takes highest priority. So it will override any rule defined in <style>...</

30, order of cascade is according to priority is given from highest to lowest is:

Inline Style (inside (X)HTML element)

Internal Style Sheet (inside the <head> tag)

External Style Sheet

Default Browser

5. PROPERTIES OF CSS

5.1 CSS Colors-PROPERTY

used to affect the color of borders and other decorative effects. CSS uses color values to specify a color. Opening of the element. They can also be foreground of an element(i.e., its text) or else for the background of the element. CSS uses color values to specify a color. Typically, these are used to set a color either for the

Following table shows:

concount Summer of the		Example
Format	Syntax	
Hex Code	#RRGGBB	{color:#FF0000; }
Short Hex Code	#RGB	P {color:#6A7; }
RGB %	rgb(rrr%,ggg%,bbb%)	P {color:rgb(50%,50%,50%)
RGB Absolute	rgb(rrr,ggg,bbb)	color:rgb(0,0,255);
keyword	aqua, black, etc.	P {color:teal;

5.2 Background property of CSS

element is used to set background. CSS can use to set backgrounds of various HTML elements. Background properties of an

The background-color property is used to set the background color of an element.

The background-image property is used to set the background image of an element.

This table has background image set

By default background-repeat property will have repeat value, background-repeat: no-repeat; // To make not to repeat the background image. background-repeat: repeat; // To make repeat the background image. To repeat the background image if image is small then background-repeat property is used. The background-repeat property is used to control the repetition of an image in the background

DITIVIL AND CSS

Example:

wekground-repeat: repeat;"> trainle style="background-image:url(/images/pattern1.gif);

This table has background image which repeats multiple times.

did>dir>

The background-attachment property is used to control the scrolling of an image in the background The background-position property is used to control the position of an image in the background. with the foreground contents. Background-attachment property have two values fixed and scroll.

as given below: this parapgraph has fixed repeated background image. osyle="background:url(/images/img1.gif) repeat fixed;"> The background property is used as shorthand to specify a number of other background properties

5.3 FONTS USING CSS

poperties in CSS. Set following font properties of an element with various values: To apply formatting on fonts of a content available in an HTML element there are many font

The font-family property is used to change the face of a font.

The font-style property is used to make a font italic or oblique or normal.

 The font-variant property is used to create a small-caps effect. Possible values of Font-variant properties are: normal and small-caps.

Example.

<pstyle="font-variant:small-caps;">

This text will be rendered as small caps

bildest. A setting of normal is equal to font-weight value of 400. mit increments. A font-weight of 100 is the least bold than can be displayed, wheres 900 is the The font-weight property is used to increase or decrease how bold or light a font appears. Font-weight sets the boldness of the element's font. The scale is a numeric rating from 100-900 at 100

Other possible values of font-weight properties are:bold, bolder, lighter, and normal

<pstyle="font-weight:bolder;">

This font is bolder.

<pstyle="font-weight:900;">

This font is 900 weight means boldest.

The font-size property is used to increase or decrease the size of a font.

size in pixels or in %. Possible values could be xx-small, x-small, small, medium, large, x-large, xx-large, smaller, larger,

Example

This text is using a font-size-adjust value

Shorthand property:

5.4 Text using CSS:

There are many CSS properties to let you to manipulate text. Set following text properties of an

The colorproperty is used to set the color of a text.

The text-indent property is used to indent the text of a paragraph

The text-align property is used to align the text of a document possible values of text-align

- property are left, right, center, justify. values are none, underline, overline, line-through and blink... The text-decoration property is used to underline, overline, and strikethrough text. Possible
- The text-transform property is used to capitalize text or convert text to uppercase or lowercase
- Possible values of direction property are: The direction property is used to set the text direction.

ltr: Means Left To Right.

rtl; Means Right To Left.

- word. Possible values are normal or a number specifying space. The letter-spacing property is used to add or subtract space between the letters that make upa Eg. Letter-spacing:5;
- The word-spacing property is used to add or subtract space between the words of a sentence Eg. Word-spacing:5;
- The text-shadow property is used to set the text shadow around a text

IMAGES USING CSS

of images but it is still important to use good images and applying a better effect is required. Images are very important part of any Web Page. Though it is not recommended to include lot CSS plays a good role to control image display. You can set following image properties using

The height property is used to set the height of an image. The border property is used to set the width of an image border,

The width property is used to set the width of an image.

In Mozila: image in Mozilla. IE uses filter:alpha(opacity=x) to create transparent images. an image is used to set the opacity of an image. This property is used to create a transparent The -moz-opacity property is used to set the opacity of an image. The -moz-opacity property of

Synatx: moz-opacity:x;

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Herex can be a value from 0.0 - 1.0

A lower value makes the element more transparent

filter:alpha(opacity=x)

Here x can be a value from 0 - 100. A lower value makes the element more transparent.

5.6 Links using CSS

The a: link signifies unvisited hyperlinks. CSS provides many properties for hyperlinks to make hyperlink good in appear.

The a: visited signifies visited hyperlinks.

The a: hover signifies an element that currently has the user's mouse pointer hovering over it. The a: active signifies an element on which the user is currently clicking.

Usually these all properties are kept in the header part of HTML document.

a:active must come after a:hover in the CSS definition. g:hover must come after a:link and a:visited in the CSS definition in order to be effective. Also, The order of applying all above properties must have fixed order to have result. The order is

a:visited

a:link

a:hover

a:active

As follows.

<style type="text/css">

color: #000000;

color: #006600;

a:hover

color: #FFCC00;

a:active

color: #FF00CC;

Vstyles

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color:≠0000000: <sple type="textless"> Set the oolor of Links:

<a breel "index.htm">Black Link

5.7 Tables using CSS Using CSS table properties it is possible to make HTML table attractive. Properties of a table

given below: Ine border-collegue specifies whether the browser should control the appearance of adjacent the border-collegue specifies whether the browser should maintain its style. This property

have two values collapse and separate. the corder-courges specifies whether each cell should maintain its style. This property c_{ij} borders that touch each other or whether each cell should maintain its style. This property c_{ij}

or right. See following example to show each value: The exption-side captions are presented in the <caption> element (tag). By default, these are The exption-side captions are presented in the <caption> element (tag). By default, these are The exption-side property to control the rendered above the table in the document. You use the caption-side property allows you to specify where the placement of the table caption. The caption-side property allows you to specify where the content of a <azption> element should be placed in relationship to the table. The table that The border-spacing specifies the width that should appear between table cells. follows lists the possible values. This property can have one of the four values top, bottom, left

Caption-side:bottom; aption-sidetop;

Caption-side:left;

Caption-sidenight;

NOTE: These properties may not work with your IE Browser.

The empty-cells specifies whether the border should be shown if a cell is empty. The empty-cells property indicates whether a cell without any content should have a border displayed. This property can have one of the three values.

Show

2, hidden

5.8 CSS - Boxders

should look. There are three properties of a border you can change The border properties allow you to specify how the border of the box representing an element

You can individually change the color of the bottom, left, top and right sides of an element's border The border-color property allows to change the color of the border surrounding an element

- border-bottom-color changes the color of bottom border.
- border-top-color changes the color of top border.
- border-left-color changes the color of left border.

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border-right-color changes the color of right border.

the other possible values. The border-style specifies whether a border should be solid, dashed line, double line, or one of

none: No border. (Equivalent of border-width:0;) The border-style property allows you to select one of the following styles of border:

- solid: Border is a single solid line.
- dotted: Border is a series of dots.
- dashed: Border is a series of short lines
- double: Border is two solid lines.
- groove: Border looks as though it is carved into the page
- ridge: Border looks the opposite of groove.
- inset: Border makes the box look like it is embedded in the page.
- outset: Border makes the box look like it is coming out of the canvas.
- hidden: Same as none, except in terms of border-conflict resolution for table elements. The border-width specifies the width of a border. The border-width property allows you to set

or it should be set to thin, medium or thick. the width of an element borders. The value of this property could be either a length in px. pt or cm We can individually change the width of the bottom, top, left, and right borders of an element using

the following properties:

- border-bottom-width changes the width of bottom border.
- border-top-width changes the width of top border.
- border-left-width changes the width of left border.
- border-right-width changes the width of right border

5.9 CSS - MARGINS

so that the distance between the blocks is not the sum of the margins, but only the greater of the two margins or the same size as one margin if both are equal. Remember that the adjacent vertical margins (top and bottom margins) will collapse into each other values to overlap content. The values of the margin property are not inherited by child elements. The margin property defines the space around an HTML element. It is possible to use negative

There are following four properties to set an element margin.

- The margin-bottom: Specifies the bottom margin of an element.
- The margin-top: Specifies the top margin of an element.
- The margin-left:Specifies the left margin of an element.
- The margin-right: Specifies the right margin of an element

5.10 CSS . Lists

teaches you how to control list type, position, style etc. using CSS Lists are very helpful in to create a set of either numbered or bulleted points. This tutorial

There are following five CSS properties which can be used to control lists:

style-type property allows you to control the shape or style of bullet point in the case of unordered The list-style-type: Allows you to control the shape or appearance of the marker. The listlists, and the style of numbering characters in ordered lists. Possible values of list-style-type for

unordered list are: Circle disc and square and for ordered list are: decimal, decimal, leading,

The list-style-position: Specifies whether a long point that wraps to a second line should align The list-style-position: Specifies whether a long point that wraps to a second line should align The list-style-position. zero, lower-roman, upper-roman, lower-alpha, upperalpha,

The list-style-position: Specifies whether a level of the marker. The list-style-position properly with the first line or start underneath the start of the marker. The list-style-position properly indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside of the box containing the bullet indicates whether the marker should appear inside or outside or outside of the box containing the bullet indicates whether the marker should appear inside or outside or out points. It can have one the two values:

appear independ to where the first line, the text will be aligned with the start of the first line.

Ourside: If the text goes onto a second line, the text will be aligned with the start of the first line. appear indensed to where the text would have started if the list had a value of outside, None: NA
None: NA
Inside: If the text goes onto a second line, the text will wrap underneath the marker, It will also
Inside: If the text goes onto a second line, the text will wrap underneath the marker, It will also

(no the fight of the course). The list-style-image:Specifies an image for the marker rather than a bullet point or number, For (no the right of the bullet).

example: List-sp to-image : uri(image.jpg) The list-style:Serves as shorthand for the preceding properties.

5.11 CSS - Paddings

The padding property allows you to specify space between the content of an element and its

percentage is of the containing box. value is inherit it will have the same padding as its parent element. If a percentage is used the The value of this authors should be either a length, a percentage, or the word inherit. If the

Different values for the padding are following:

- The pasting-courant specifies the bottom pasting of an element.
- The padding-up: Specifies the top padding of an element.
- The padding-left: Specifies the left padding of an element
- The padding series as shorthand for the preceding properties The padding-right: Specifies the right padding of an element

5.12 CSS - CURSORS:

The cursor property of CSS allows to specify the type of cursor that should be displayed to the

a submit burner on a form this does not happen. Therefore, using the cursor property to change the cursor to a fiend whenever someone hovers over an image that is a submit button. This provides visual cine than they can click it. By default, when a cursor howers over a link, the cursor changed from a pointer to a hand for

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| An hour glass Possible Acrosshair Acrosshair Acrosshair or plus sign Acrosshair or plus sign An pointing hand (in IE 4 this value is hand) The cursor indicates that an edge of a box is to be moved up and right. The cursor indicates that an edge of a box is to be moved up and right. The cursor indicates that an edge of a box is to be moved up and right. The cursor indicates that an edge of a box is to be moved up and right. The cursor indicates that an edge of a box is to be moved up and right. The cursor indicates that an edge of a box is to be moved down and right. The cursor indicates that an edge of a box is to be moved down and right. The cursor indicates that an edge of a box is to be moved down and right. The cursor indicates that an edge of a box is to be moved down and right. The cursor indicates that an edge of a box is to be moved down and left. The cursor indicates that an edge of a box is to be moved down and left. The cursor indicates that an edge of a box is to be moved down. The cursor indicates that an edge of a box is to be moved down. An hour glass An hour glass The cursor image file The source of a cursor image file | of curso | property | 127 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| resize The size The size The solution of the solution of the solution of the size The solution of the solu | Value | | The state of the s |
| resize re | | | Ontext area it is over. For example an I Over text, a hand over a link and so on |
| inter ove resize resize resize resize resize resize | gosshair | | A crosshair or plus sign |
| ove resize resize resize resize resize resize | default | | An arrow |
| resize -resize -resize -resize size size | pointer | | A pointing hand (in IE 4 this value is |
| resize -resize -resize size size | move | | The I bar |
| resize resize resize | e-resize | | tan edge of |
| resize resize resize | ne-resize | | 0 |
| resize resize size | nw-resize | | The cursor indicates that an edge of a box is to be moved up and left. |
| resize resize size | n-resize | | The cursor indicates that an edge of a box is to be moved up. |
| resize
size | se-resize | | The cursor indicates that an edge of a box is to be moved down and right. |
| size | sw-resize | | 9 |
| size | \$-resize | | The cursor indicates that an edge of a pox is to be moved down. |
| | W-resize | | he cursor indicates that an edge of a ox is to be moved left. |
| | wait | | n hour glass |
| | help | 0 7 | question mark or balloon, ideal for use ver help buttons |
| | E | | he source of a cursor image file |

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6. Filter Effect in CSS:

Filters are a powerful tool that web authors can be individual filters of each officers collection is available on every object to provide access to the individual filters of each object filters collection. Filters are a powerful tool that web authors can use to achieve interesting visual effect.

Filters are a powerful tool that web authors can use to achieve the individual filters of each result.

they expose properties and methods for change in access. Visual filters are entendingly collections, the filters collection supports several kinds of access. Visual filters are entendingly collections, the filters collection supports several kinds of access. In some cases, filters or early contents, in some cases, filters or early contents. Filters are considered sub objects of the object when internal state. Like other object they expose properties and methods for changing their internal state. Visual filters are entered they expose properties and methods for changing their facess. Visual filters are entered they expose properties and methods for changing their states. The collection can be accessed like any other object model collection CSS properties that change the display of an object Using filters simplifies the task of incorporate behaviors that could be implemented as script. Using filters affect the display of content, which is a first that display of content, which sophisticated effects in Web documents. Static visual filters affect the display of content, which are displayed. collections, the filters collection supports socients. In some cases, filters create strain properties that change the display of an object's contents, in some cases, filters create strain contents that change the display of an object's contents, in some cases, filters create strain contents that change the display of an object's contents, in some cases, filters create strain contents that change the display of an object's contents, in some cases, filters create strain contents that change the display of an object's contents, in some cases, filters create strain contents that change the display of an object's contents, in some cases, filters create strain contents that change the display of an object's contents. collection can be accessed like any other wysers to which they are attached. Like other objects of the object to which they are attached. Like other objects of the object to which they are attached. Like other objects of the objects of the objects of the internal state. Like other objects of the objects o

transitions affect the way content changes in an object are displayed. Filters are applied to H1 ML controls through the you do not need to know script to implement filter descriptions that uses a function-like notation, but you do not need to know script to implement filter descriptions that uses a function-like notation, but you do not need to know script to implement filters are applied to the filters are appl Filters are applied to HTML controls through the filter property. The filter property is a strictly

applied to any visible element on your web page. For a very simple example you could write someting the CSS filters of an object directly. Using filters from CSS is done by using the 'filter propagation of an object directly. Using filters from CSS is done by using the 'filter propagation of an object directly. Using filters from CSS is done by using the 'filter propagation of an object directly. Using filters from CSS is done by using the 'filter propagation of the control of this property... The Style object also has a filter property. This is a read/write string that you can use to manipular.

div (filter:grayscale(100%);



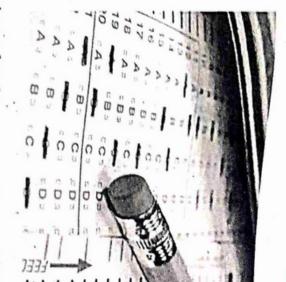


Original image

S. SANTER

THE PROPERTY OF STREET There is a martin or martin the state of

Grayscale filtered image.



version like this: if you wanted to style your content to be half way between the original color and a gray scale Most filters take some form of parameter to control how much filtering is done. So for example

div { +filter:grayscale(50%); }

(Original image above with 50% gray filtered.)

6.1 Basics Functions for Filter

with a percent sign also accept the value expressed as decimal. is invalid, the function returns "none." Except where noted, the functions that take a value expressed To use the CSS filter property you specify a value for one of the following functions. If the value

but does not accept percentage values. blur. If no parameter is provided, then a value 0 is used. The parameter is specified as a CSS length deviation or how many pixels on the screen blend into each other, so a larger value will create more Applies a sblur to the input image. The value of 'radius' defines the value of the standard Function blur()

Example: filter:blur(5px);

Function brightness()

brighter results. If the 'amount' parameter is missing, a value of I is used. values are linear multipliers on the effect. Values of an amount over 100% are allowed, providing will create an image that is completely black. A value of 100% leaves the input unchanged. Other Applies a linear multiplier to input image, making it appear more or less bright. A value of 0%

Example: filter: brightness (0.5);

value of 100% leaves the input unchanged. Values of amount over 100% are allowed. providing Adjusts the contrast of the input. A value of 0% will create an image that is completely black. A Function contrast()

results with less contrast. If the 'amount' parameter is missing, a value of 1 is used.

Example:filter:contrast(200%);

Function grayscale()
Converts the input image to grey scale. The value of 'amount' defines the proportion of the

Converts the input image to grey scale. It is value of 0% leaves the input unchanged conversion. A value of 100% is completely grey scale. A value of the 'amount' parameters on the effect. If the 'amount' parameters on the effect. conversion. A value of 100% is completely grey scare on the effect. If the 'amount' parameter by Values between 0% and 100% are linear multipliers on the effect.

missing, a value of 0 is used

Example: filter:grayscale(100%)

missing, c value of 0 is used. Inverts the samples in the input image. Inverted. A value of 0% leaves the input unchanged conversion. A value of 100% is completely inverted. A value of 10th 'amount' naranged conversion. A value of 100% are linear multipliers on the effect. If the 'amount' parameter is Inverts the samples in the input image. The value of 'amount' defines the proportion of the

Example: filter:invert(100%)

Function opacity()

is used. This function is similar to the more established opacity property; the difference is that with to multiplying the input image samples by amount. If the 'amount' parameter is missing a value of Applies transparency to the samples in the input image. The value of 'amount' defines the proportion of the conversion. A value of 0% is completely transparent. A value of 100% leaves the filters, some browsers provide hardware acceleration for better performance. input unchanged. Values between 0% and 100% are linear multipliers on the effect. This is equivalent

Example:filter:opacity(50%)

are linear multipliers on the effect. Values of amount over 100% are allowed, providing super saturated results. If the 'amount' parameter is missing, a value of 1 is used. value of 0% is completely un-saturated. A value of 100% leaves the input unchanged. Other values Saturates the input image. The value of 'amount' defines the proportion of the conversion. A

Example: filter:saturate(200%)

other HTML documents. IFRAME provides similar functionality to OBJECT. One advantage of IFRAME is that it can act as a target for other links. The IFRAME element defines an inline frame for the inclusion of external objects including

There are few drawbacks with using frames, so it's never recommended to use frames in your

- Some smaller devices cannot cope with frames often because their screen is not big enough to
- . Sometimes your page will be displayed differently on different computers due to different screen
- The browser's back button might not work as the user hopes.
- There are still few browsers that do not support frame technology.

document so that embedded data is displayed inside a subwindow of the browser's window. This An inline frame ("floating frame") is a construct which embeds a document into an HTML this

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does not mean full inclusion; the two documents are independent, and both them are treated as does not documents, instead of treating one as part of the other,

1.1 ATTRIBUTES OF <IFRAME> TAG

parget the frame. document. The optional NAME attribute specifies the name of the inline frame, allowing links to IFRAME'S SRC attribute provides the location of the frame content-typically an HTML

An example follows:

<IFRAME SRC="product.html" TITLE="The Famous Product">

<!-- Alternate content for non-supporting browsers -->

¿H2>The Famous Product</H2>

<H3>Ingredients</H3>

</IFRAME>

WIDTH and HEIGHT attributes: The WIDTH and HEIGHT attributes specify the dimensions

of the inline frame in pixels or as a percentage of the available space.

given frame. The default value of 1 results in a border while a value of 0 suppresses the border. Style sheets allow greater flexibility in suggesting the border presentation. FRAMEBORDER attribute: The FRAMEBORDER attribute specifies to draw border in

top, middle, and bottom specify the frame's position with respect to surrounding content on its left ALIGN attribute: The ALIGN attribute specifies the alignment of the inline frame. The values

and right. ALIGN=middle: aligns the vertical center of the frame with the current baseline. To center

the frame horizontally on the page, place the frame in a centered block, example: <PALIGN=center><IFRAME.SRC="foo.html" WIDTH=300 HEIGHT=100></IFRAME></P>

The other ALIGN values, left and right, specify a floating frame; the frame is placed at the left

or right margin and content flows around it. MARGINHEIGHT attributes define the number of pixels to use as the left/right margins and top/ nottom margins, respectively, within the inline frame. The value must be a non-negative integer. MARGINWIDTH and MARGINHEIGHT attributes: The MARGINWIDTH and

for the inline frame. The default value, auto, generates scrollbars only when necessary. SCROLLING attribute: The SCROLLING attribute specifies whether scrollbars are provided

| "URL" "URL" "umber of pixels or percentage (e.g. '20%') "bottom" "middle" "left" "right" "right" "auto" "s "auto" "s " | name | value | meaning |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| number of pixels or percentage (e.g. 720%) "bottom" "eff" "right" "right" "right" "auto" "auto" "s | src | ZR. | the address of the initial content for the inline frame |
| number of pixels or percentage (e.g. "20%") "top," "bottom" "heft" "right" "niddle" "right" "auto" "Yes" "s | longdesc | | refers to a document containing a description (not supported yet) |
| "rop." "bottom" "middle" "fight" "form" "middle" "fight" "auto" "Yes" "s | width | number of pixels | |
| "bottom" "middle" "right" "fight" "auto" "auto" "s | height | (e.g. '20%') | height of the inline frame; see notes below |
| "right" "right" "auto" "auto" "s "yes" s s | | | aligns the inline frame vertically on the top of the surrounding content on its left and right |
| "right" "left" "auto" "yes" "s | | "bottom" | aligns the inline frame vertically on the bottom of the surrounding content on its left and right |
| "right" "auto" "yes" "s | aign | "middle" | aligns the center of the inline frame vertically with the current baseline |
| "night" "O" "auto" "yes" "s | | E. | places the inline frame at the left margin so that subsequent page content flows on the right of it |
| number of pixels "auto" "yes" s | | "right" | places the inline frame at the right margin so that subsequent page content flows on the left of it |
| number of pixels "auto" "yes" s | frameborder | | specifies that a border is to appear around the frame; this is the default |
| number of pixels "auto" "yes" s "no" s | - | | suppresses the border |
| "auto" "yes" | marginwidth | | size of the top and bottom margin inside the inline frame; see notes below |
| "auto" "yes" "no" | marginheight | Company of the last of the las | size of the left and right margin inside the inline frame; seenotes below |
| "yes" "no" | | 4 | scrollbars appear if and only if they are needed to see all the content; this is the default |
| | scrolling " | | crollbars appear in any case |
| The state of the s | | | scrollbars do not appear, which may cause part of the content to be inaccessible; see example on simulating scrollable tables |

DHTML AND CSS

fames vs. normal frames

is own content. representations of the document. frest inside the presentation of a document much the same way as images are, the browser in particular, that an inline frame as a whole scrolls along with the rest of the document. some space for an inline frame and takes this into account when rendering the document. Normal frames are used to divide the entire browser window to subwindows. Inline frames

documents onto pages. On the other hand, as explained above, browser support to iframe is ized more limited than for normal frames. These features make inline frames an interesting possibility especially for embedding relatively

to prevent this (using the noresize attribute). Inline frames are not resizable. On the other hand, normal frames are usually resizable by the user, though the author might

B. DIY AND SPAN TAG

8.1 DIV TAG

to videos can be placed within a div. Divs are similar to tables but they are easier to use. esomizable with CSS, and load faster than tables. Divs also make it easier for search engine. The div tag is used to specify a section within an HTML document. Anything from text to

gown formatting, as specified by the CSS. Div is a block-level container, meaning that there is a he feed after the </div> tag. Div (short for division) divides the content into individual sections. Each section can then have

For example, if we have the following CSS declaration:

iont-size: 4pt; color: #00FF00; out-family:arial

lle HTML code:

divclass="large"> This is a DIV sample

'ile>HTML div Tag</title>

"inkrel="stylesheet"href="style2.css">

divid="contentinfo">

Shelcome to our CSS. DIV is a block tag use to create a formatting box..

font-family:arial;

font-size: 6px;

DHTML AND CSS

The HTML code:

#contentinfo p { ine-height: 20px; Here is the csss file style2.css </html> background-color:pink; color: red; width: 140px; text-align: justify; padding-bottom: 20px; margin: 30px;

This will produce following result:

elements whilst the span tag is used with inline elements.

DIV and SPAN tag Example:

group large sections of HTML elements together and format thera with CSS.

The HTML <div> tag is used for defining a section of your document. With the div tag, you can

The difference between the div tag and the span tag is that the div tag is used with block-level

The difference between the div tag and the span tag is that the div tag is used with block-level

elements while the span tag is used with inline elements.

group large sections of HTML elements together and format them with CSS.

The HTML <div> tag is used for defining a section of your document. With the div tag you can

Span is not at the block level.

formatting box. DIV is a block tag Welcome to our CSS. ð create

Div ID Verses DIV Class

document that uses a div for the header and a div to contain each image. Since the header will only appear once you might code that appear more than once within a document. For example, let's say that you have an HTML element that appears only once within a document. Div class should be used to identify elements The difference is between div id and div class is small. Div id should be used to identify a single

</html>

8.2 SPAN TAG

largefont

no line feed after the 190 The following CSS declaration: Span is similar to div in that they both divide the content into individual sections. The difference is

color: #0066FF;

character. </body> </head> <title>My First Page</title> <div style="color:blue"> <div style="color:red"> DIV is block tag. SPAN is inline tag. DIV tag is used to create division SPAN tag is used to format single line, word or

format single line, word or character. SPAN is inline tag. SPAN tag is used to DIV tag is used to create division. DIV is block tag.

regular page with pixel precision. With CSS, it is possible to work with layers: pieces of HTML that are placed on top of the

:-index property to elements that overlap with each other. CSS gives opportunity to create layers of various divisions. The CSS layers refer to applying the

specify which element should come on top and which element should come at bottom The z-index roperty is used along with position property to create an effect of layers. You can

A z-index property can help you to create more complex webpage layouts.

layers - and to top it off: the limited support it offers is quite often executed with failures. The advantages of this are obvious - but once again Netscape has very limited support of CSS

Relative versus absolute positioning

where the layer itself is inserted (relative). If position layer of calculated from the upper left corner (absolute) or calculated from the position

position:absolute

of the parent layer. the layer is defined inside another layer, in which case it will be calculated from the upper left corner If the position to be absolute it will be calculated from the upper left corner of the page - unless

position:relative

VISIBILE VERSUS HIDDEN LAYERS: If the position to be relative it will be relative to the position of the tag that carries the style.

A final property is the visibility property that will allow you to create invisible layers

The most common use of this is to create menus that pop out (like the sub menus in the START With dynamic HTML it is possible to change the visibility of a layer according to certain events most common use of this is to create manus that the statement of the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the common use of this is to create manus that the create manus that the create manus that the create manus the create manus that the create manus that the create manus the create manus the create manus that the create manus the create manus the create manus that the create manus the create manus the create manus the create manus that the create manus the create ma An invisible layer used to gives for adding pop-up menus and other cool effects on pages.

DHTML AND CSS

when a spretty easy - except when tried on Netscape browsers that seem to have only a vague idea of the logic behind CSS layers). menu on mouse-over is detected on a link the according layer becomes visible. (Sounds pretty easy - except when tried on Netcoan L. L. Sounds pretty easy -Windows). The trick behind these menus is to create all submenus as invisible layers. Then, mouse-over is detected on a link the according to the create all submenus as invisible layers. valid values for the visibility property are: visible and hidden.

Example:

4ml>

citle>Practice CSS z-index Property</title>

4head>

4body> ¿divstyle="background-color:red;

width:300px;

position:relative; height:100px;

top:10px;

left:80px;

z-index:2"

divstyle="background-color:yellow;

width:300px;

height:100px;

position:relative;

top:-60px;

left:35px;

z-index:1;">

<div style="background-color:green;.</pre>

width:300px;

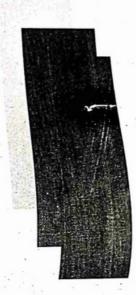
height:100px;

top:-220px; position:relative;

z-index:3;"> left:120px;

Shtm!> √body>

Output:



EXERCISE

VERY SHORT QUESTIONS:

- Q1. What is DHTML? Q2. What does the CSS stands for?
- Q3. Write about CSS comments.
- Q4. What is order of Cascading?
- Q5. Which tags are used for internal and external style sheet?
- Q6. Write down the name of the attribute which is used for inline-style sheet.
- Q7. Write down all CSS-border properties.
- Q8. Is DIV is inline or block attribute?

SHORT QUESTIONS:

- Q1. What is difference between HTML and DHTML?
- Q2. Write note on DHTML. Explain features of DHTML.
- Q3. Explain different attributes of DHTML.
- Q5. Explain the basic rule of CSS.
 Q6. What is difference between tag Id and class selectors?
 Q7. Explain different type of CSS. Why external CSS is better?
 Q8. Explain how image become more attractive using CSS property?
 Q9. Write down a note on CSS links.
 Q10. What is CSS-padding and CSS-margin? Explain in details. Q4. What do you mean CSS? Also describe the advantage of using CSS.

DHTML AND CSS

What are drawbacks of frame? And how IFRAME are better?

LONG QUESTIONS:

10. What is CSS? Explain syntax of CSS and different type CSS selectors with example.

Q1. Write Note on following:

Q2. Write Note on following:

- Background-property using CSS. Color-property using CSS.
- Text-property and font-property using CSS.
- Q3. Explain the following:
- Table properties of CSS with example.

- b. List properties of CSS with example.

 Q4. What is filter? Explain basic filter effects of CSS.

 Q5. Why IFRAME becomes more popular? Explain all attributes if IFRAME.

 Q6. What are div and span tags? Explain DIV and SPAN tag with executable code.

