Alice

bob

HTML Advanced Concepts &

CHAPTER

process of making web pages presentable. also discuss the basic concepts of CSS, a simple design language intended to simplify the ables and forms are integral part of any website or webpage. In this chapter we are L going to discuss these advanced concepts of HTML and their attributes. We will

etc. into rows and columns of cells) The HTML tables allow web authors to arrange data like text, images, links, other tables,

tag. A simple example is given below. headers should use the (table header) element which also comes inside the regular and left aligned by default. Table cells which act as column headers or row create table rows and tag is used to create data cells. The elements under are The HTML tables are created using the tag in which the > tag is used to

<title>HTML Tables</title> <!DOCTYPE html> the create of

<head>

</head>

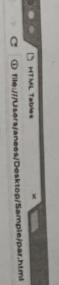
Ages/th> Firstname <body>

20 21

This will produce the following result.

</html>

</body>



| 0 | 7 | |
|----|------|----------|
| ob | lice | irstname |
| 21 | 20 | Age |

cellspacing which you will use to adjust the white space in your table cells. The cellspacing or using border property in CSS. There are two attributes called cellpadding and We can specify border for HTML tables either using border attribute of table in HTML between cell borders and the content within a cell. An example is given below. attribute defines space between table cells, while cellpadding represents the distance

<!DOCTYPE html> <title>HTML Tables</title> <head> <html> </head>

(tr>

<body>

Age Firstname (tr>

Alice (/tr>

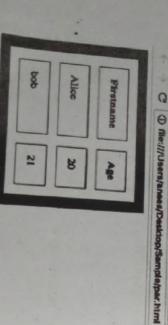
(/tr> bob

(tr)

</body> 21 20

The following table will be obtained. </html>

D HTML Tables



HTML Advanced Concepts & CSS

you can use rowspan if you want to merge two or more rows. attribute if you want to merge two or more columns into a single column. Similar way Table cells can be merged using the colspan and rowspan attributes. You can use colspan

<!DOCTYPE html> <html>

</head> <title>HTML Table Colspan/Rowspan</title>

<head>

<body>

(tr>

Column 1

Column 3 Column 2

(tr> Row 1 Cell 1

Row 1 Cell 2

Row 1 Cell 3

tr>

Row 2 Cell 2

Row 2 Cell 3

Row 3 Cell 1

</body>

</html>

169

This will produce the following result.

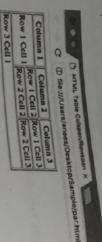


Table background can be set using one of the following two ways

- bgcolor attribute "You can set background color for whole table or just for
- background attribute "You can set background image for whole table or just

You can also set border color also using bordercolor attribute. The syntax is given below.

height can be set in terms of pixels or in terms of percentage of available screen area You can set a table width and height using width and height attributes. Table width or

Example

<tableborder="1"width="400"height="150">

A caption can be added to a table using the <caption> element

<caption>This is the caption</caption>

Tables can be broken into sections using the following elements

- <thead> Table header
- Table body
- <froot> Table footer

HTML Advanced Concepts & CSS

example describing table background, setting height and width, inserting caption and data. But it is notable that <thead> and <tfoot> tags should appear before . An A table may contain several <a href="https://documents.com setting head and foot is given below

<ipocTYPE html> <!DOCTYPE html>

<html>

<head>

<title>HTML Table</title> </head>

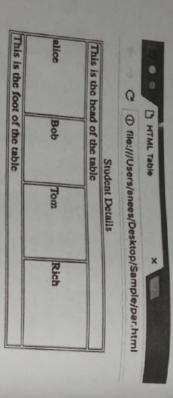
<body> = "green" bgcolor = "yellow"> <caption>Student Details</caption> <thead> This is the head of the table </thead>

(tr> This is the foot of the table <tfoot> </tfoot>

(tr> alice Bob Tom

</body> Rich

This will produce the following result



is the number of columns that will share the element's attributes several columns without implying any structural grouping. The "span" of the COL element the COLGROUP element). The COL element allows authors to share attributes among the columns) or any number of explicit column groups (each delimited by an instance of table may either contain a single implicit column group (no COLGROUP element delimits example of the visual presentation of column groups, please consult the sample table.A sheets or HTML attributes (e.g., the rules attribute for the TABLE element). For an structural divisions within a table. Authors may highlight this structure through style are a number of limitations with this practice. Column groups allow authors to create You can use <col> and <colgroup> to define table columns for styling. However, there

ATML Forms

like inputbox, checkboxes, radio-buttons, submit buttons, etc. Users generally complete details like credit card information, etc. Forms contain special elements called controls kinds of user inputs, such as contact details like name, email address, phone numbers, or user to submit information to a web server.HTML Forms are required to collect different An HTML form is a section of document that contains interactive controls that enable a

HTML Advanced Concepts & CSS

HTML form and it has following syntax this form to a web server for processing. The HTML < form> tag is used to create an a form by modifying its controls e.g. entering text, selecting items, etc. and submitting

<form action = "Script URL" method = "GET | POST">

form elements like input, textarea etc.

</form>

Most frequently used form attributes are:

Sr.No Attribute & Description

Backend script ready to process your passed data achon

method

methods Method to be used to upload data. The most frequently used are GET and POST

target

It takes values like blank, self, parent etc. Specify the target window or frame where the result of the script will be displayed

before it sends it to the server. Possible values are -You can use the enctype attribute to specify how the browser encodes the data

use in simple scenanos application/x-www-form-urlencoded - This is the standard method most forms

mutlipart/form-data - This is used when you want to upload binary data in the form of files like image, word file etc.

within the message body of the HTTP request HTTP POST requests supply additional data from the client (browser) to the server in appended to the action URL as query string parameters. With POST, form data appears submitted to the server. When the method is GET, all form data is encoded into the URL (default) in the <form> element. The method specified determines how form data is forms in HTML can use either method by specifying method="POST" or method="GET" the message body. In contrast, GET requests include all required data in the URL.

Difference between GET and POST is given below.

| GET method is visible to everyone and has limits on the amount of information io send. |
|---|
| GET method should not be used when sending passwords or other sensitive information. |
| Since form data is in the URL and URL length is restricted. |
| GET is less secure compared to POST because data sent is part of the URL. So it's saved in browser history and server logs in plaintext. |
| only AS CII characters allowed. |
| Easier to back for script kiddies |
| can send but the parameter data is limited to what we can stuff into the request line (URL). Safest to use less than 2K of parameters, some servers handle up to 64K. |
| application's -www-form-urlencoded |
| GET requests are re-executed but may not be re-submitted to server if the HT/sL is stored in the browser cache. |
| Can be bookmarked |
| Parameters remain in browser history because they are part of the URL |
| CII |
| 3.97 2.0 A O C H H H H H H H H H |

HTML Form Controls

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

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

Clickable Buttons

Submit and Reset Button

Text Input Controls

There are three types of text input used on forms

- Single-line text input controls " This control is used for items that require only one line of user input, such as search boxes or names. They are created using HTML <input> tag.
- Password input controls "This is also a single-line text input but it masks the character as soon as a user enters it. They are also created using HTML<input>
- Multi-line text input controls "This is used when the user is required to give details that may be longer than a single sentence. Multi-line input controls are created using HTML <textarea> tag.

Single-line text input controls

has a value of text. Here's an example of a single-line text input used to take username. Single-line text input controls are created using an <input> element, whose type attribute

<!DOCTYPE html>

<html>

<head>

<title>Text Input Control</title>

</head>

<body>

<form >

175

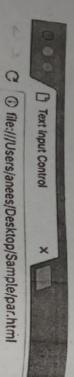
HTML Advanced Concepts & CSS

User name: <input type = "text" name = "username" />

</form>

</body>

This will give you the following result



User name:

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

Attribute Description

type

Indicates the type of input control and for text input control it will be

recognized and get the value. Used to give a name to the control which is sent to the server to be

value

name

Size Allows to specify the width of the text-input control in terms of This can be used to provide an initial value inside the control.

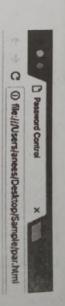
maxlength Allows to specify the maximum number of characters a user can enter-

single-line password input used to take user password, <input> element whose type attribute has a value of password. Here's an example of a the password on the screen. This is also a single-line text input controls created using an field are masked i.e. shown as asterisks or dots. This is to prevent others from reading Password fields are similar to text fields. The only difference is; characters in a password

> < IDOCTYPE html> <title>Password Input Control</title> <html> </form> Password: <input type = "password" name = "password" /> <head> </body>
> <form > <body> </head> To Par to Aca B. H. word Checkbox Radgo

This will produce the following result.

</html>



Password:

The attributes for <input> tag for creating password field is same as for creating text

Multiple-Line Text Input Controls

of text. Multi-line text input controls are created using an <textarea> element. Here is a basic example of a multi-line text input used to take item description. Textarea is a multiple-line text input control that allows a user to enter more than one line

<!DOCTYPE html>

<html>

<head>

```
<title>Text area Control</title>
```

<body> </head>

<form >

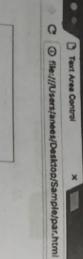
id = "address" ></textarea> Address: <textarea rows = "3" cols = "30"name = "address"

</form>

</body>

</html>

This will produce the following result.



Following is the list of attributes for <textarea> tag

Attribute Description

Used to give a name to the control which is sent to the server to be recognized and get the value.

rows Indicates the number of rows of text area box.

cols Indicates the number of columns of text area box

Checkboxes

options It is created using an <input> element whose type attribute has a value of Checkboxes allows the user to select one or more option from a pre-defined set of

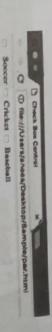
3 John

</head> <head> <html> <!DOCTYPE html> <body> <title>Checkbox Control</title> <form > <input type="checkbox" name="sports" id="soccer"> <label for="soccer">Soccer</label> <input type="checkbox" name="sports" id="cricket"> <label for="baseball">Baseball</label> <input type="checkbox" name="sports" id="baseball"> <label for="cricket">Cricket</label> HTML Advanced Concepts & CSS

</form> </body>

</html>

This will produce the following result.



Following is the list of attributes for <checkbox> tag

Attribute Description

type Indicates the type of input control and for checkbox input control it will be set to checkbox ...

name Used to give a name to the control which is sent to the server to be

recognized and get the value

value The value that will be used if the checkbox is selected

checked Set to checked if you want to select it by default.

178

Radio Buttons

options. It is created using an sinput> element whose type attribute has a value of radio. Radio buttons are used to let the user select exactly one option from a pre-defined set of

<head> <!DOCTYPE html>

<title>Radio Button</title>

<form > <body>

</head>

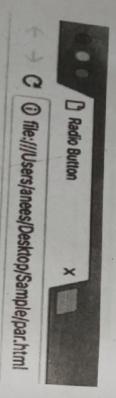
<label for="male">Male</label> <input type="radio" name="sex" id="male">

<label for="female">Female</label> <input type="radio" name="sex" id="female">

</body> </form>

</html>

This will produce the following result



Male Female

HTML Advanced Concepts & CSS

Following is the list of attributes for <radio> tag.

Attribute Description

type Indicates the type of input control and for checkbox input control it will be set to radio..

name Used to give a name to the control which is sent to the server to be recognized and get the value.

value The value that will be used if the checkbox is selected

checked Set to checked if you want to select it by default.

Select Boxes

<option> element. The option elements within the <select> element define each list from a pull-down list of options. Select box is created using the <select> element and A select box is a dropdown list of options that allows user to select one or more option

<!DOCTYPE html>

<html>

<head>

<title>Select Box</title>

</head>

<body>

<label for="city">City:</label>

<select name="city" id="city">

<option value="sydney">Sydney</option>

<option value="melbourne">Melbourne</option>

<option value="cromwell">Cromwell</option>

</select>

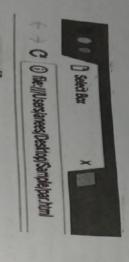
</form>

</body>

</html>

This will produce the following result.

text box. This is also created using an <input> element, whose type attribute value is set



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

Attribute Description

name Used to give a name to the control which is sent to the server to be recognized and get the value.

Size This can be used to present a scrolling list box.

multiple If set to "multiple" then allows a user to select multiple items from the menu.

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

Attribute Description

value The value that will be used if an option in the select box box is selected.
selected Specifies that this option should be the initially selected value when the

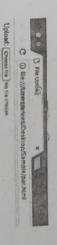
An alternative way of labeling options

File Upload box

The file fields allow a user to browse for a local file and send it as an attachment to the form data. It normally rendered as a text box with a button that enables the user to browse for a file. However, the user can also type the path and name of the file in the

chead>
ctitle>File Upload</title>
c/nead>
cbody>
cform >

<!DOCTYPE html>



This will produce the following result.

Following is the list of important attributes of file upload box

Attribute Description

uame Used to give a name to the control which is sent to the server to be recognized and get the value.

accept Specifies the types of files that the server accepts.

Button Controls

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

the pesculption

submit This creates a button that automatically submits a form.

reset This creates a button that automatically resets form controls to their initial values.

button This creates a button that is used to trigger a client-side script when the user clicks that button.

image This creates a clickable button but we can use an image as background of the button.
<!DOCTYPE html>

<html>

</title>Button Example</title>
</head>

<body>

<form>

This will produce the following result

... </body>

</html>



-

Hidden Form Controls

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

A Sample page which contain most of the above discussed fields is given below.

<!DOCTYPE html>

<html>

<head>

<title>Example</title>

</head>

User name: <input type = "text" name = "username" />

"password" />

 cbr>
 Password: <input type = "password" name =</pre>

id = "address" ></textarea> Address: <textarea rows = "3" cols = "30"name = "address"

>cbr>

Hobbies :

<input type="checkbox" name="sports" id="soccer">

<label for="soccer">Soccer</label>

<label for="cricket">Cricket</label> <input type="checkbox" name="sports" id="cricket">

<label for="baseball">Baseball</label> <input type="checkbox" name="sports" id="baseball">

Sex :<input type="radio" name="sex" id="male">

<label for="male">Male</label>

<input type="radio" name="sex" id="female">

<label for="female">Female</label>

<label for="city">City:</label>

<select name="city" id="city">

<option value="sydney">Sydney</option>

<option value="melbourne">Melbourne</option>

<option value="cromwell">Cromwell</option>

<label for="file-select">Upload:</label>

<input type="file" name="upload" id="file-select">

HTML Advanced Concepts & CSS

cinput type = "submit" name = "submit" value = "Submit" />

<input type = "reset" name = "reset" value = "Reset" />

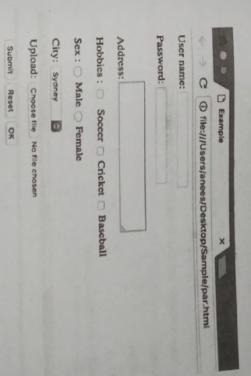
cinput type = "button" name = "ok" value = "OK" />

</form>

</body>

</html>

This will produce the following result.



HTML frames

HTML frames are used to divide your browser window into multiple sections where tables are organized: into rows and columns. window is known as a frameset. The window is divided into frames in a similar way the each section can load a separate HTML document. A collection of frames in the browser

defines horizontal frames and cols attribute defines vertical frames. Each frame is indicated tag defines, how to divide the window into frames. The rows attribute of <frameset> tag To use frames on a page we use <frameset> tag instead of <body> tag. The <frameset>

scrolling

the frame. This takes values either "yes", "no" or "auto" This attribute controls the appearance of the scrollbars that appear on

a long description of the contents of the frame. This attribute allows you to provide a link to another page containing

Cascading Style Sheets CSS

documentations is called as Modules and here each module having new extension features W3C recommendation in June 1999 and builds on older versions CSS, it has divided into lefined in CSS2 CSS1. This version adds support for media-specific style sheets. CSS3 was became a the HTML tags. CSS2 was became a W3C recommendation in May 1998 and builds on Group (CSS1) was came out of W3C as a recommendation in December 1996. This version describes the CSS language as well as a simple visual formatting model for all maintained through a group of people within the W3C called the CSS Working by all browsers inday. CSS was invented by Håkon Wium Lie on October 10, 1994 and But CSS offers more options and is more accurate and sophisticated. CSS is supported advanced positions and many other things. HTML can be used to add layout to websites For example, CSS covers fonts, colours, margins, lines, height, width, background images, Cascuding Style Sheets (CSS) is a style language that defines layout of HTML documents

but CSS is used for formatting structured content.) The main benefits of using CSS The main difference between CSS and HTML is that HTML is used to structure content

- apply it to as many Web pages as you want multiple HTML pages. You can define a style for each HTML element and CSS saves time " You can write CSS once and then reuse same sheet in
- apply it to all the occurrences of that tag. So less code means faster download Pages load faster "If you are using CSS, Just write one CSS rule of a tag and
- elements in all the web pages will be updated automatically Easy maintenance "To make a global change, simply change the style, and all
- HTML attributes HTML, so you can give a far better look to your HTML page in comparison to Superior styles to HTML " CSS has a much wider array of attributes than
- versions of a website can be presented for cell phones or for printing for more than one type of device. By using the same HTML document, different Multiple Device Compatibility " Style sheets allow content to be optimized

HTML Advanced Concepts & CSS

- Global web standards "NowHTML attributes are being deprecated and it is HTML pages to make them compatible to future browsers being recommended to use CSS. So its a good to start using CSS in all the
- Offline Browsing "CSS can store web applications locally with the help of an
- Platform Independence" The Script offer consistent platform independence and can support latest browsers as well.

ess - Syntax

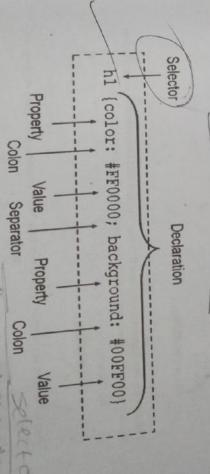
CSS consists of two building blocks:

- Properties: Human-readable identifiers that indicate which stylistic features (e.g. font, width, background color) you want to change
- Values: Each specified property is given a value, which indicates how you want to change those stylistic features (e.g. what you want to change the font, width or background color to.)

A property paired with a value is called a CSS declaration. CSS declarations are put selectors to produce CSS Ruleset within CSS Declaration Blocks. And finally, CSS declaration blocks are paired with

You can put CSS Style Rule Syntax as follows

selector {property: value }



You can define a heading h1 as follows

former ferralload and some of

hi(color:#FF0000 ;background:#00FF00)

background is the property and given value #00FF00 Here h I is a selector and color is the property and given value #FF0000, in the same way,

by node name. In other words, it selects all elements of the given type within a document. This is the same selector we have seen above. The CSS type selector matches elements

table{ border: 1px solid #C00; }

This is another example

background-color: skyblue; table{ border: 1px solid #C00; }

The Class selector

having that class will be formatted according to the defined rule. You can define style rules based on the class attribute of the elements. All the elements The CSS class selector matches elements based on the contents of their class attribute,

The syntax for defining class selector is

.class_name{ style properties }

An example is given below

.black{

color: #000000;

our document. You can make it a bit more particular. For example: This rule renders the content in black for every element with class attribute set to black in

color: #000000; h1.black{

This rule renders the content in black for only <h1> elements with class attribute set

the selector. The syntax of id selector is given below its id attribute. The selected element's ID attribute must match exactly the value given in In an HTML document, the CSS ID selector matches an element based on the value of

#id_value{ style properties }

black in our document. The following rule renders the content in black for every element with id attribute set to

#black {

color: #000000

The Universal Selectors

matches the name of any element type. Rather than selecting elements of a specific type, the universal selector quite simply

color:#000000

This rule renders the content of every element in our document in black

The Attribute Selector

attribute. The style rule below will match all the input elements having a type attribute with a value of text. The CSS attribute selector matches elements based on the presence or value of a given

color: #000000; input[type ="text"]{

and the color applied only to the desired text fields The advantage to this method is that the <input type = "submit"/> element is unaffected.

Some example are given below.

/* <a> elements with a title attribute */

a[title] {

color: purple;

/* <a> elements with an href matching "https://example.org"

a[href="https://example.org"] {

*

```
color: green;
}

/* <a> elements with an href containing "example" */
a[href*="example"] {
  font-size: 2em;
}

/* <a> elements with an href ending ".org" */
a[href$=".org"] {
  font-style: italic;
}
```

CREATING STYLE SHEETS

CSS provide easy and effective alternatives to specify various attributes for the HTML tags. Using CSS, you can specify a number of style properties for a given HTML element. Each property has a name and a value, separated by a colon (:). Each property declaration is separated by a semi-colon (;).

let's consider an example of HTML document which makes use of tag

```
<!DOCTYPE html>
<html>
<head>
<title>HTML CSS</title>
</head>
<body>
<font color = "red" size = "7">Hello, World!</font>
</body>
</body>
```

We can re-write above example with the help of Style Sheet as follows.

<!DOCTYPE html>
<html>
<head>
</head>
</head>
<body>
Hello, World!
</html>

Both will produce the same result as follows.



Hello, World!

There are three ways of inserting a style sheet:

- External style sheet
- Internal style sheet
- Inline style

External style sheet

External style sheets can define style sheet rules in a separate .ess file and then include that file in your HTML document using HTML ink> tag.

Consider we define a style sheet file mystyle.css which has following rules

Internal Style Sheet

are defined within the <style> element, inside the <head> section of an HTML page. An internal style sheet may be used if one single page has a unique style internal styles

Let's re-write above example using Internal style sheet. background-color: lightblue; background-color: hightblue; background-color

<html> <!DOCTYPE html>

<head>

<style>

body {

<!DOCTYPE html>

<head>

Use the above external CSS file in our following HTML document.

color: navy;

margin-left: 20px;

body {

background-color: lightblue;

color: navy;

margin-left: 20px;

</head> </style>

000//

<body>

</body> This is a paragraph.

This will also produce the same result <h1>This is a heading</h1>

Inline style

</html>

CSS property. The example below shows how to change the color and the left margin of styles, add the style attribute to the relevant element. The style attribute can contain any a < h !> element: An inline style may be used to apply a unique style for a single element. To use inline



</html>

</body>

This is a paragraph. <h1>This is a heading</h1> </head>

href="mystyle.css">

<link rel="stylesheet" type="text/css"</pre>

This is a paragraph.

CERTA BOATSOOLS

eni style="color:blue;margin-left:30px;">This is a

- choops (p) This is a paragraph.

CSS Background

c/html>

are 5 CNS hackground properties that affects the HTML elements. CNS background property is used to define the background effects on element. There

- McApromid-color
- sharponident
- tackground-repeat
- background-stackness
- background position

Set the Background Color

Following is the example which nstrates how to set the hackground color for an

CLEASUS SALLSONS

catyles

h2,p(background-color: #b@d4de;

</style>

(/head)

<b2>CSS backround Example</b2></b2>

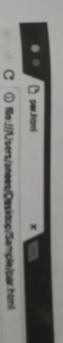
HTML Advanced Concepts & CXS

This is an example of CSS background-color.c/p>

c/body>

</html>

It will produce the following output



CSS backround Exam

This is an example of CSS background-color

Set the Background Image

«IDOCTYPE html> We can set the background image by calling local stored images as shown below

chtml>

chead>

cstyle>

body { background-image: url("image.jpg");

margin-left:100px;)

</style>

s/head>

<h1>Hello Students</h1>

</body>

c/html>

It will produce the following output.



Repeat the Background Image

property will have repeat value. repeat an image, in this case image will display only once. By default background-repeat small. You can use no-repeat value for background-repeat property if you don't want to The following example demonstrates how to repeat the background image if an image is

< ! DOCTYPE html>

<head>

<style>

body { background-image: url("image.jpg"); background-repeat: repeat;

margin-left:100px;}

</style>

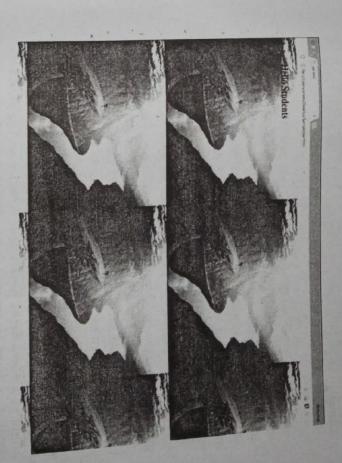
HTML Advanced Concepts & CSS

</head>

<body> <h1>Hello Students</h1>

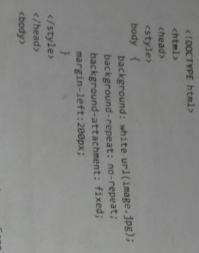
</html> </body>

This will produce the following output.



Set the Background Attachment

the rest of the page. The following example demonstrates how to set the fixed background Background attachment determines whether a background image is fixed or scrolls with



If you do not see any scrollbars, Resize the browser window. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page. This is a fixed background-image. Scroll down the page This is a fixed background-image. Scroll down the page. Scroll down the page. down the page.



This is a fixed background-image. Scroll down the page This is a fixed background This is a fixed background-image. Scroll down the page This is a fixed background-image

Set the Background Image Position

pixels away from the left side. You can set the following positions: The following example demonstrates how to set the background image position 100

- center
- don
- bottom

left

right

Example

<!DOCTYPE html>

<html>

<style>

<head>

body .

</html> </body>

203

background: white url('image.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
background-position: center;
}

</style>

</body>

This is a fixed background-image. Scroll down the page.
This is a fixed background-image. Scroll down the page.
This is a fixed background-image. Scroll down the page.
This is a fixed background-image. Scroll down the page.
If you do not see any scrollbars, Resize the browser window.

</html>

This will result the following output.

204

This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.
This is a fixed background-image. Serol down the page.

CSS - Fonts

CSS Font property is used to control the look of texts. By the use of CSS font property you can change the text size, color, style and more. You have already studied how to make text bold or underlined. Here, you will also know how to resize your font using percentage.

These are some important font attributes

- 1. CSS Font color: This property is used to change the color of the text.
- 2. CSS Font family: This property is used to change the face of the font
- 3. CSS Font size: This property is used to increase or decrease the size of the font.
- CSS Font style: This property is used to make the font bold, italic or oblique.

5. CSS Font variant: This property creates a small-caps effect. CSS Font weight: This property is used to increase or decrease the boldness

and lightness of the font.

fonts. It is used to change the color of the text. There are three different formats to CSS font color is a standalone attribute in CSS although it seems that it is a part of CSS define a color:

- 1. By a color name
- 2. By hexadecimal value
- 3. By RGB

```
<html>
                               <!DOCTYPE html>
<head>
```

<style>

p { color:rgb(0, 220, 98); } } h2 { color: #9000A1; } h1 { color: red; } body { font-size: 100%; }

</style>

</head>

<h1>This is heading 1</h1>

This is a paragraph.

<h2>This is heading 2</h2>

</body>

</html>

This will result the following output.

← → C ① file:///Users/anees/Desktop/Sample/par.html D par.html

This is heading 1

This is heading 2

This is a paragraph.

CSS Font Family

and Monospace. Font family: It specifies the font family name like Arial, New Times CSS font family can be divided in two types: Generic family: It includes Serif, Sans-serif, Roman etc.

Example

<!DOCTYPE html>

<style> <head> body {

h2 { font-family: serif; } h1 { font-family: sans-serif; } font-size: 100%; } p { font-family: monospace; }

</style> </head> <body>

You can set following text properties of an element

Property

color

letter-spacing

direction

text-align

text-shadow

a text

An Example is given below.

<!DOCTYPE html>

<html>

<head>

</head>

<body>

This text will be written in red.

Description

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

The direction property is used to set the text direction.

between the letters that make up a word The letter-spacing property is used to add or subtract space

between the words of a sentence. The word-spacing property is used to add or subtract space

word-spacing

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

text-decoration The text-decoration property is used to underline, overline, and strikethrough text. The text-align property is used to align the text of a document

The text-transform property is used to capitalize text or convert

text-transform The white-space property is used to control the flow and text to uppercase or lowercase letters.

white-space formatting of text.

The text-shadow property is used to set the text shadow around

HTML Advanced Concepts & CSS

This text will be renedered from right This text is having space between

words. This text is having space between letters.

by 1cm and this line will remain at its actual position this is This text will have first line indented done by CSS text-indent property.

 This will be right aligned. This will be left aligned. This will be center aligned. This will be underlined

This will be striked This will have a over line. through.

 This text will have blinking effect

This will be capitalized

This will be in uppercase

This will be in lowercase

white-space pre setting tells the browser to honor it just like This text has a line break and the the HTML pre tag.

the CSS text-shadow property, this text will have a blue shadow.</ If your browser supports

</body>

</html>

This will result the following output.



This see a larger space between wards.

This read is having space between fetters

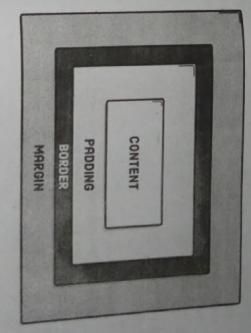
The will be administrated in the wild be exhibited in the wild be exhibited in the control of th

SECTION IN A DA PAR US MIT HE WITHOUT This will the Copinstant

Text Format, Controlling Fonts - Working with Block Elements and Objects, CSS ID and

The CSS Box Model

content. The image below illustrates the box model: around every HTML element. It consists of: margins, borders, padding, and the actual when talking about design and layout. The CSS box model is essentially a box that wraps All HTML elements can be considered as boxes. In CSS, the term "box model" is used



A block-level element always starts on a new line and takes up the full width available. parts is given below around elements, and to define space between elements. The Explanation of the different element can be used to style blocks of content. The box model allows us to add a border The <div> element is a block-level element. When used together with CSS, the <div>

- Content The content of the box, where text and images appear
- Padding Clears an area around the content. The padding is transparent
- Border A border that goes around the padding and content
- Margin Clears an area outside the border. The margin is transparent

An Example is given below.

<!DOCTYPE html>

<html>

<head>