**CSS**

* CSS stands for **CASACADING STYLE SHEET.**
* CSS describe the presentation of a document which is written in HTML.
* We can change look of old HTML document by written some few CSS code.

**Casacading:-** Applying Multiple rule to a same HTML document.

**Syntax:**-

selector

{

property 1:value;

property 2:value;

--------------------

---------------------

}

**Selector:-**Selector is a HTML element in which we can apply CSS property.

Selector 🡺HTM L Element (Like:-Tag,Class,ID…etc.);

**Types of Selector:-**

1.**Element Selector:-** In the case of element selector , we used element name directly and write related CSS property within pair of *curly braces*.

**Syntax:- (*let, element selector =* eName)**

*eName{*

*property:value;*

*property:value;*

*}*

**For exa:-**

*<html>*

*<head>*

*<style>*

*p{*

*border:1px solid red;*

*background-color:black;*

*text-align:center;*

*color:white;*

*}*

*</style>*

*</head>*

*<body>*

*<p>Hey I am Learning CSS</p>*

*</body>*

*</html>*

**2.ID Selector:-** In the case of ID selector we assign one ID to a HTML Tag and apply CSS related property by using ID name but we use (**#**) symbol at the beginning of ID name.

**Syntax:-**

*<tag id=”myid”/>*

***#****myid{*

*property:value;*

*}*

**For exa:-**

*<head>*

*<style>*

*#text{*

*background-color:black;*

*font-size:24px;*

*font-family:Arial;*

*}*

*</style>*

*</head>*

*<body>*

*<p id=”text”>Hey I am Learning CSS</p>*

*</body>*

**3.Class Selector:-**In the case of class selector , we assign class name to a element and apply all CSS related property with class name but we need to use **( . ) dot**  symbol starting of class name.

**Syntax**:-

*<tag class=”classname”/>*

*.classname{*

*property:value;*

*}*

**For exa**:-

*<head>*

*<style>*

*.myclass{*

*background-color:black;*

*font-size:24px;*

*font-family:Arial;*

*}*

*</style>*

*</head>*

*<body>*

*<p class=”myclass”>Hey I am Learning CSS</p>*

*</body>*

***4.*Universal Selector:-** Sometimes if we wants to apply any CSS property to all HTML element so in this case we used **Universal Selector** but we need to use **( \* ) asterisk/star** symbol before assign.

**Syntax:-**

*\*{*

*property:value;*

*}*

**For exa:-**

*<head>*

*<style>*

*\* {*

*margin:0px;*

*border:0px;*

*font-family:Arial;*

*}*

*</style>*

*</head>*

*<body>*

*<p>Hey I am Learning CSS</p>*

*<h3>Hey I am Learning CSS</h3>*

*</body>*

**5.Group Selector:-** In this case we can apply any CSS property more than one selector and every selector separate with **comma(,)** operator.

**Syntax:-**

*element,#id,.class{*

*property:value;*

*}*

**For exa:-**

*<head>*

*<style>*

*p,h3,#myid,.myclass {*

*margin:0px;*

*border:0px;*

*font-family:Arial;*

*}*

*</style>*

*</head>*

*<body>*

*<p>Hey I am Learning CSS</p>*

*<h3>Hey I am Learning CSS</h3>*

*<div id=”myid”>Hey I am Learning CSS</div>*

*<h4 class=”myclass”>Hey I am Learning CSS</h4>*

*</body>*

**-:Integration of CSS:-**

**1.Inline CSS:-** In **inline** CSS we can apply CSS property with element name directly by using **style** attribute.

**Priority:-**Priority of **inline** CSS always high.

**2.Internal CSS:-**In the case of **internal** CSS, we can write CSS property in same document where our HTML element are available but we writing property inside **<style>** tag with selected **selector.**

**3.External CSS:-** Sometimes when we developed any application we have to use same common code for more than one HTML document.

**So,** in this case we write CSS code in separate file and save those file with **.css** extension.

As per requirement we can use those common code (CSS file) by using below statement.

**<link rel=”stylesheet” type=”text\css”** **href=”filename.css”/>**

**File name**

**For exa:-**

**Internal CSS**

**Index.html**

*<html>*

*<head>*

*<link rel=”stylesheet” type=”text\css” href=”main.css”/>*

*<style>*

*img{*

*border-radius:50% 50%;*

*}*

*</style>*

*</head>*

*<body>*

*<img src=”a.jpg” stye=”height:100px; width:100px;”/>*

INLINE CSS

*</body>*

*</html>*

**File name**

**main.css**

img{

border:5px solid red;

External CSS

margin:50px;

}

**Box Model in CSS**

* Box model talking about design and layout.
* Web browser render HTML element in rectangular box according to Box Model.
* Box Model consists **Padding , Border** **, Margin** and **Content** itself.

**Box Model**

**Border**

**Margin**

**Content**

**Padding**

**1.Border Property in CSS**

**i.Main Property:-**

*border-style:value; (value=solid,inset,upset,dotted…etc.)*

*border-*width:value; (value=px,cm,m,%,…..etc)

*border-*color:value; (value=red,blue,rgb,rgba,hex,#,green…...etc)

**ii.Another Property:-**

*border-left-style:value;*

*border-right-style:value;*

*border-top-style:value;*

*border-bottom-style:value;*

*border-left-color:value;*

*border-right-color:value;*

*border-top-color:value;*

*border-bottom-color:value;*

*border-left-width:value;*

*border-right-width:value;*

*border-top-width:value;*

*border-bottom-width:value;*

**iii.Sorthand Property:-**

**(style) (width) (color)**

*border:value value value;*

*border-right:value value value;*

*border-left:value value value;*

*border-top:value value value;*

*border-bottom:value value value;*

**For exa:-**

*<head>*

*<style>*

*.box-model{*

*border:1px solid red;*

*font-family:Arial;*

*}*

*</style>*

*</head>*

*<body>*

*<div class=”box-model”>Hey I am Learning CSS*

**Write Some Content……..**

*</div>*

*</body>*

**2.Padding Property in CSS**

**i.Property:-**

*padding-left:value; (value=20px..)*

*padding-right-:value;*

*padding-top:value;*

*padding-bottom:value;*

**ii.Sort hand Property:-**

*padding:20px; {(cover=left,right,top,bottom)*

*padding:20px 50px; {cover=(top,bottom),(right,left)}*

*padding:20px 50px 20px 50px; {cover=(top),(right),(bottom),(right)}*

**2.Margin Property in CSS**

**i.Property:-**

*margin-left:value; (value=20px..)*

*margin-right-:value;*

*margin-top:value;*

*margin-bottom:value;*

**ii.Sort hand Property:-**

*margin:20px; {(cover=left,right,top,bottom)*

*margin:20px 50px; {cover=(top,bottom),(right,left)}*

*margin:20px 50px 20px 50px; {cover=(top),(right),(bottom),(right)}*

**For exa:-**

*<head>*

*<style>*

*.box-model{*

*border:1px solid red;*

*padding:20px;*

*margin:20px;*

*}*

*</style>*

*</head>*

*<body>*

*<p class=”box-model”>This is a Para</p>*

*</body>*

**Text Style in CSS**

**i.Property:-**

*color:value;*

*text-transform:capitalize/lowercase/uppercase;*

*text-align:top/bottom/left/right/justify/center;*

*text-indent:value;(value=50px……etc)*

*text-decoration:line-through/underline/overline/wavy/solid;*

*line-height:value;(valu=50px…..etc)*

*word-spacing:value;(value=5px….etc)*

*letter-spacing:value;(value=5px….etc)*

**Example:-**

**Index.html**

*<html>*

*<head>*

*<link rel=”stylesheet” href=”main.css”/>*

*</head>*

*<body>*

*<div class=”form-container”>*

*<p>*

*<input type=”text” placeholder=”Enter Username”/>*

*</p>*

*<p>*

*<input type=”password” placeholder=”Enter Password”/>*

*</p>*

*<p>*

*<input type=”button” value=”Login”/>*

*</p>*

*</div>*

*</body>*

*</html>*

**main.css**

*\*{*

*margin:0px;*

*padding:0px;*

*}*

*body{*

*background:red;*

*}*

*.form-container{*

*margin:auto;*

*height:200px;*

*width:300px;*

*background:black;*

*text-align:center;*

*margin-top:100px;*

*}*

*input{*

*margin-top:25px;*

*}*

*input [type=’text’],input[type=’password’]{*

*height:300px;*

*border:none;*

*outline:none;*

*background:transparent;*

*border-bottom:5px solid red;*

*color:white;*

*}*

*.btn{*

*height:30px;*

*width:100px;*

*border:none;*

*background:red;*

*color:white;*

*}*

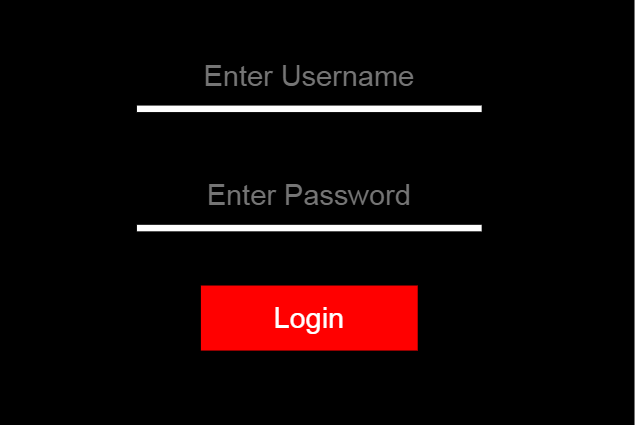
*::placeholder{*

*text-align:center;*

***Output***

*color:red;*

*}*

**

*.btn:hover{*

*background:white;*

*color:red;*

*}*

**Outline Property in CSS**

1.outline-style

2.outline-color

3.outline-width

4.outline-offset

5.outline:none/any-color/solid/dotted.

**For exa:-**

*<head>*

*<style>*

*div{*

*margin:20px;*

*border:5px solid red;*

*outline-style:double/solid/dotted;*

*outline-color:red;*

*outline-width:5px;*

*outline-offset:5px;*

*/\*****Short hand prop.***

***outline:5px double green;\*/***

*}*

*</style>*

*</head>*

*<body>*

*<div>*

*On the Insert tab, the galleries include items that are designed to coordinate with the overall look of your document. You can use these galleries to insert tables, headers, footers, lists, cover pages, and other document building blocks.*

*</div>*

*</body>*

**Display Property in CSS**

1. *display:inline/block/inherit/initial/unset;*

***for exa:-***

*<head>*

*<style>*

*h3{*

*border:1px solid red;*

*height:40px;*

*display:inline-block;*

*text-align:center;*

*color:orange;*

*}*

*div{*

*border:1px solid red;*

*height:40px;*

*display:block;*

*}*

*span{*

*border:1px solid red;*

*height:40px;*

*display:inline;*

*}*

*</style>*

*</head>*

*<body>*

*<h3>Hii I am Heading 1</h3>*

*<h3>Hii I am Heading 2</h3>*

*<div>Hii I am Div 1</div>*

*<div>Hii I am Div 2</div>*

*<span>Hii I am Span 1</span>*

*<span>Hii I am Span 1</span>*

*</body>*