**CSS is the acronym for "Cascading Style Sheet"**

**Way to use CSS**

Three Way to use Css

1. External Style sheet
2. Internal Style sheet
3. Inline Style sheet

**External CSS**

<link rel=”stylesheet” type=”text/css” href=”style.css” />

**Internal CSS**

<style>

Body{ background-color:red;}

</style>

**Inline CSS**

<p style=”color:blue”>Hello </p>

**CSS Syntax**

Selector Declaration

Body {color:blue}

## element Selector

body{color:red;font-size:24px;}

## id Selector

id selector uses the id attribute of an HTML element to select a specific element.

#bodyId {  
    text-align: center;  
    color: red;  
}

**Class Selector**

The class selector selects elements with a specific class attribute.

.bodyClass {  
    text-align: center;  
    color: red;  
}

**Multiple Id or Class Selector**

Body,h1,p{color:red;}

**CSS - Measurement Units**

% Defines a measurement as a percentage

px Defines a measurement in screen pixels.

**Color**

**Html Supports 145 Standard colors name.**

**RGB**

**RGB(red,green,blue)**

**Rgb(255,255,255)**

**Hexa Value**

#rrggbb(0-9 a,b,c,d,e,f)

Eg. #3f3f3f3

**Background Color**

<p style="background-color:red;">Hello Satyam</p>

**Text Color**

<p style="color:DodgerBlue;">Hello Student</p>

**Border Color**

<h1 style="border:2px solid DodgerBlue;">Hello World</h1>

**Background Image**

body {

background-image: url("paper.gif");

}

**Background Image - Repeat Horizontally or Vertically**

body {

background-image: url("gradient\_bg.png");

background-repeat: repeat-x;

}

**Background Image -no-repeat**

body {

background-image: url("img\_tree.png");

background-repeat: no-repeat;

}

**Background Image background-position**

body {

background-image: url("img\_tree.png");

background-repeat: no-repeat;

background-position: right top;

}

**Background Image - Fixed position**

body {

background-image: url("img\_tree.png");

background-repeat: no-repeat;

background-position: right top;

background-attachment: fixed;

}

**Background - Shorthand**

body {

background: #ffffff url("img\_tree.png") no-repeat right top;

}

**Border**

**Border Style**

dotted - Defines a dotted border

dashed - Defines a dashed border

solid - Defines a solid border

double - Defines a double border

groove - Defines a 3D grooved border. The effect depends on the border-color value

ridge - Defines a 3D ridged border. The effect depends on the border-color value

inset - Defines a 3D inset border. The effect depends on the border-color value

outset - Defines a 3D outset border. The effect depends on the border-color value

none - Defines no border

hidden - Defines a hidden border

p.one{border-style: dotted;}/{border-style: dashed;}/{border-style: solid;}/{border-style: double;}/{border-style: groove;}/{border-style: ridge;}/{border-style: inset;}/{border-style: outset;}/{border-style: none;}/{border-style: hidden;}/{border-style: dotted dashed solid double;}

HTML-<p class="one">A dotted border.</p>

**Border Width**

p.one {

border-style: solid;/border-style: dotted;/border-style: double;

border-width: 5px;/border-width: medium;/border-width: thick;/border-width: 2px 5px 4px 5px;

}

**Border Color**

p.one {

border-style: solid;

border-color: red;

}

**Border - Shorthand Property**

p.one {

border: 5px solid red;

}

**Rounded Borders**

p {

border: 2px solid red;

border-radius: 5px;

}

**Fonts**

font-family

font-style

font-variant

font-weight

font-size

**Font Family**

<p style="font-family:georgia,garamond,serif;"> </p>

**Font Style**

<p style="font-style:italic;"></p>

**Font Variant**

<p style="font-variant:small-caps;"></p>

**Font Weight**

<p style="font-weight:bold;">This font is bold.</p>

<p style="font-weight:bolder;">This font is bolder.</p>

<p style="font-weight:500;">This font is 500 weight.</p>

**Font Size**

<p style="font-size:20px;">This font size is 20 pixels</p>

<p style="font-size:small;">This font size is small</p>

<p style="font-size:large;">This font size is large</p>

**Shorthand Property**

<p style="font:italic small-caps bold 15px georgia;"> hi I am a Student </p>

**Margin**

margin-top

margin-right

margin-bottom

margin-left

p {

margin:25px 50px 75px 100px;

}p {

margin:5px;

}

**Padding**

padding-top

padding-right

padding-bottom

padding-left

Eg:

div {

padding-top: 50px;

padding-right: 30px;

padding-bottom: 50px;

padding-left: 80px;

}

**height and width**

div {

height: 200px;

width: 50%;

background-color: powderblue;

}

**max-width min-width**

div {

max-width: 500px;

height: 100px;

background-color: powderblue;

}

**max-height min-height**

div {

min-width: 500px;

height: 100px;

background-color: powderblue;

}

**Outline**

outline-style

outline-color

outline-width

outline-offset

outline

**Outline Style**

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**Text**

**Text Alignment**

center

left

right

justify

eg: text-align: center;

**Text Decoration**

none

overline

line-through

underline

eg:text-decoration: none;

**Text Transformation**

uppercase

lowercase

capitalize

eg:text-transform: capitalize;

**Text Indentation**(indentation of the first line of a text)

eg: text-indent: 50px;

**Letter Spacing**

eg:letter-spacing: 3px;

**Line Height**

eg: line-height:1.5;

**Word Spacing**

eg:word-spacing: 10px;

**Text Shadow**

eg:text-shadow: 3px 2px red;

**Icons**

**Font Awesome Icons**

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.1/css/all.css" integrity="sha384-50oBUHEmvpQ+1lW4y57PTFmhCaXp0ML5d60M1M7uH2+nqUivzIebhndOJK28anvf" crossorigin="anonymous">

eg: <i class="fa fa-car"></i>

**Bootstrap Icons**

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

eg:<i class="glyphicon glyphicon-user"></i>

**Google Icons**

<link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">

eg:<i class="material-icons">favorite</i>

**Links**

a:link - a normal, unvisited link

a:visited - a link the user has visited

a:hover - a link when the user mouses over it

a:active - a link the moment it is clicked

eg : /\* unvisited link \*/

a:link {

color: red;

}

/\* visited link \*/

a:visited {

color: green;

}

/\* mouse over link \*/

a:hover {

color: hotpink;

}

/\* selected link \*/

a:active {

color: blue;

}

**gradients**

**Top to bottom**

div{

height: 100px;

background: -webkit-linear-gradient(pink,green);

background: -o-linear-gradient(pink,green);

background: -moz-linear-gradient(pink,green);

background: linear-gradient(pink,green);

}

**Left to right**

div {

height: 100px;

background: -webkit-linear-gradient(left, red , blue);

background: -o-linear-gradient(right, red, blue);

background: -moz-linear-gradient(right, red, blue);

background: linear-gradient(to right, red , blue);

}

**Diagonal**

div{

height: 100px;

background: -webkit-linear-gradient(left top, red , blue);

background: -o-linear-gradient(bottom right, red, blue);

background: -moz-linear-gradient(bottom right, red, blue);

background: linear-gradient(to bottom right, red , blue);

}

**Media Query For Responsive**

/\* lg \*/

@media (min-width: 1200px) {

}

/\* md \*/

@media (min-width: 992px) and (max-width: 1199px) { }

/\* sm \*/

@media (min-width: 768px) and (max-width: 991px) {   }

/\* xs \*/

@media (max-width: 767px) { }

/\* XS Portrait \*/

@media (max-width: 480px) { }