CSS - Basic

* Introduction to CSS.
* Basic Boilerplate

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

</body>

</html>

* Ways to Add CSS :-

1. Inline CSS

<h1 style="color: blue;">Hello My Fellow Developers !!</h1>

1. Internal CSS

<h1>Hello My Fellow Developers !!</h1>

<style>

h1 {

color: aqua;

}

</style>

1. External CSS

(In head Tag)

<link rel="stylesheet" href="" class="style.css">

<h2>Welcome to the Technocrats Web Development workshop</h2>

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

h2 {

color: blue;

background-color: red;

}

* CSS Colors:-

1. Named Colors
2. RGB Colors
3. Hex Colors

<h1>Colors</h1>

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

h1 {

color: red;

color: rgb(255, 0, 0);

color: #ff0000;

}

* CSS Text Properties

1. Text-align -
2. Font-weight-
3. Text-decoration -
4. Line-height -
5. Letter-spacing -
6. Font-size -

<h2>CSS Text Properties</h2>

<p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Modi, molestiae ad itaque officiis at aliquam accusantium cumque, quasi necessitatibus asperiores impedit harum expedita dolorum vitae

nostrum sit temporibus! Delectus, laudantium.</p>

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

h2 {

text-align: right;

font-weight: lighter;

letter-spacing: 3px;

font-size: 50px;

}

p {

text-decoration: underline wavy red;

line-height: 35px;

}

1. font-family:-

<h3>Font Family</h3>

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<h3>Font Family</h3>

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h3 {

font-family: "Roboto", sans-serif;

}

* CSS Selectors:-

1. Universal Selector:-

\* {

color: brown;

}

1. Element Selector :-

<h1>CSS Selectos</h1>

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

h1{

color: blue;

}

1. Selector List :-

<h2>I am Very Important so plz pay attention on me</h2>

<p id="para1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dignissimos atque nesciunt voluptate impedit, dolorum inventore vero? Ex maxime explicabo doloremque itaque iusto aliquid

suscipit</p>

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

h2,

p {

color: rebeccapurple;

}

1. Class Selector :-

<div class="container">

Lorem ipsum dolor sit amet consectetur adipisicing elit. Exercitationem natus nemo, animi eius asperiores sunt tenetur, explicabo harum reprehenderit rerum inventore beatae et. Alias ipsa

veritatis assumenda aliquid quae temporibus.

</div>

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

.container {

text-decoration: underline dotted blue;

}

1. ID Selector :-

<p id="para1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dignissimos atque nesciunt voluptate impedit, dolorum inventore vero? Ex maxime explicabo doloremque itaque iusto aliquid

suscipit</p>

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

#para1 {

background-color: blueviolet;

}

1. Descendant Selector:-
2. <li>
3. <ul><a href="">link1</a></ul>
4. <ul><a href="">link2</a></ul>
5. <ul><a href="">link3</a></ul>
6. </li>

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

li a {

color: orange;

}

1. Attribute Selector :-

<input type="text"></input>

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

input[type="text"] {

color: yellow;

}

* Pseudo Classes :-

1. Hover :-

<h1>Pseudo Classes - very fancy !!</h1>

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

h1:hover {

color: cyan;

}

1. Active :-

<h1>Pseudo Classes - very fancy !!</h1>

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

h1:active {

color: blue;

}

1. Nth-of-type:-

<h3>Understanding pseudo classes ?</h3>

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h3:nth-of-type(3n) {

color: blue;

}

* Pseudo Elements:-

1. First-letter :-

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Error, praesentium. Lorem ipsum dolor sit amet consectetur adipisicing elit. Exercitationem, officiis!</p>

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

p::first-letter {

font-size: 2rem;

color: blue;

}

1. First-line:-

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Error, praesentium. Lorem ipsum dolor sit amet consectetur adipisicing elit. Exercitationem, officiis!</p>

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

p::first-line {

color: red;

}

* Specificity:- Specificity is how the browser decides which rules to apply when multiple rules could apply to the same element.
* ID > Class > Element

<h1>Specificity - "u dont know but i am always there"</h1>

<h2 class="cls" id="id">Give me a Color</h2>

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

h2 {

color: blue;

color: brown;

}

.cls {

color: chartreuse;

}

#id {

color: aqua;

}

* CSS Box Model :-

1. Width and height :-

<div>

<div class="container">

</div>

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

.container {

width: 300px;

height: 200px;

background-color: blue;

}

* Border :-

-- Border-Properties :-

<div Box Model>

<div class="container">

</div>

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

.container {

background-color: black;

width: 100px;

height: 100px;

border-width: 3px;

border-style: solid;

border-color: brown;

border-radius: 20px;

}

* Border-radius :-
* Padding:-
* Margin:-

<h1>Padding and Margin - Imp Stuff Again</h1>

<div>

<div class="box1">

</div>

<div class="box2">

</div>

</div>

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

.box1 {

width: 100px;

height: 100px;

background-color: brown;

border: 3px solid black;

padding: 10px;

margin-right: 20px;

}

.box2 {

width: 200px;

height: 200px;

background-color: brown;

border: 3px solid black;

padding: 20px;

}

* Margin-auto :-

<div class="box3">

</div>

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

.box3 {

width: 100px;

height: 100px;

background-color: aqua;

margin: auto;

}

(Only for your understanding dont copy paste this code)

*<!-- \*\*\*\*\*\*\*\*v.imp\*\*\*\*\*\* -->*

*<!-- Note: Padding creates extra space within an element. In contrast, margin creates extra space around an element. -->*

* Vh and vw :-

<div class="box">

</div>

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

.box {

background-color: black;

height: 100vh;

width: 10px;

height: 100px;

width: 100vw;

}

* Opacity and Alpha Channel :-

<div class="alpha">

</div>

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

.alpha {

width: 100px;

height: 100px;

background-color: rgba(255, 0, 0, 0.5);

}

* CSS Transitions :-

<div class="tran">

</div>

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

.tran {

width: 100px;

height: 100px;

background-color: black;

}

.tran:hover {

transition: all 5s ease-out;

background-color: blue;

margin-left: 30px;

}

* Transform Property :-

<div class="transform">

</div>

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

.transform {

width: 100px;

height: 100px;

background-color: black;

margin: 30px 0 0 30px;

}

.transform:hover {

transition: all 5s ease-out;

background-color: blue;

transform: rotate(90deg);

transform: rotate3d(0, 0, 1, 80deg);

}

* Translate Property :-

<div class="box1"></div>

<div class="box2"></div>

<div class="box3"></div>

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

.box1,

.box2,

.box3 {

width: 100px;

height: 100px;

background-color: black;

margin-top: 20px;

margin-left: 20px;

}

.box2 {

background-color: brown;

transform: translateX(30px);

}

* Background Properties :-

<div class="container">

</div>

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.container {

width: 100vw;

height: 100vh;

background: url(https://images.pexels.com/photos/270360/pexels-photo-270360.jpeg?auto=compress&cs=tinysrgb&dpr=2&h=650&w=940);

background-position: center;

background-size: cover;

background-repeat: no-repeat;

background-attachment: scroll;

}

* Video-Background :-

<video autoplay loop muted>

<source src="../Video/vdo.mp4" type="video/mp4">

</video>

* Material Icons :-

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

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

<span class="material-icons">

highlight

</span>