**CSS**

Cascading Style Sheet

Id 🡪 #id

Class 🡪 .class

Global element 🡪 \*

Element 🡪 element

Element and class ->element.class

Multiple elements 🡪 element, element, element

Types:

External CSS

<!DOCTYPE html>  
<html>  
<head>  
<link rel="stylesheet" href="mystyle.css">  
</head>  
<body>  
  
<h1>This is a heading</h1>  
<p>This is a paragraph.</p>  
  
</body>  
</html>

Internal CSS

<!DOCTYPE html>

<html>

<head>

<style>

body {  
  background-color: lightblue;  
}  
  
h1 {  
  color: navy;  
  margin-left: 20px;  
}

</style>

</head>

<body>

<h1> This is the heading</h1>

<p> This is the paragraph </p>

</body>

</html>

Inline CSS

<!DOCTYPE html>

<html>

<body style=”background-color:blue;”>

<h1 style=”color:black;text-align:center;”> This is heading <h1>

<p style=”color:red;”>this is the paragraph</p>

</body>

</html>

CSS comment

/\* Set text color to red \*/

<!DOCTYPE html>  
<html>  
<head>  
<style>  
p {  
  color: red; /\* Set text color to red \*/  
}   
</style>  
</head>  
<body>  
  
<h2>My Heading</h2>  
  
<!-- These paragraphs will be red -->  
<p>Hello World!</p>  
<p>This paragraph is styled with CSS.</p>  
<p>CSS comments are not shown in the output.</p>  
  
</body>  
</html>

Colors:

<h1 style="background-color:rgb(255, 99, 71);">...</h1>  
<h1 style="background-color:#ff6347;">...</h1>  
<h1 style="background-color:hsl(9, 100%, 64%);">...</h1>  
  
<h1 style="background-color:rgba(255, 99, 71, 0.5);">...</h1>  
<h1 style="background-color:hsla(9, 100%, 64%, 0.5);">...</h1>

Background:

Background-color

Opacity

background-image

background-repeat:no-repeat, repeat-x, repeat-y;

background-position:right top;

background-attachment:scroll;

background-size: 300px 100px;

background: #ffffff url("img\_tree.png") repeat-x right top;

Border:

Border-width

Border-style

Border-color

border-top-style

border-right-style / left/ bottom

border-radius for rounded border

margin-top: 120px;

margin-bottom: 120px;

margin-right: 80px;

margin-left: 80px;

Padding:

Generate space around

Padding-top / bottom / right / left

Height and width of an element

Height

Max-height

Width

Max-width

Min-height

Min-width

Outline : width, height, color, style

outline-offset adds space between the outline

Text:

Text-align

Text-direction : rtl or ltr

Vertical-align

Text-decoration : underline, overline, line-through

Text-transform: uppercase, lowercase, capitalize

Text-indent

letter-spacing

word-spacing

Text-shadow

Font-family

Font-style

Font-weight

Font-variant

Font-size

Google fonts:

Font-effect

Font-family

<head>  
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Audiowide|Sofia|Trirong">  
<style>  
body {  
  font-family: "Trirong", serif;  
}  
</style>  
</head>

Adding icons:

<!DOCTYPE html>  
<html>  
<head>  
<link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">  
</head>  
<body>  
  
<i class="material-icons">cloud</i>  
<i class="material-icons">favorite</i>  
<i class="material-icons">attachment</i>  
<i class="material-icons">computer</i>  
<i class="material-icons">traffic</i>  
  
</body>  
</html>

Styling links:

/\* 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;  
}

Different types of cursor:

<!DOCTYPE html>

<html>

<body>

<p>Mouse over the words to change the cursor.</p>

<span style="cursor:auto">auto</span><br>

<span style="cursor:crosshair">crosshair</span><br>

<span style="cursor:default">default</span><br>

<span style="cursor:e-resize">e-resize</span><br>

<span style="cursor:help">help</span><br>

<span style="cursor:move">move</span><br>

<span style="cursor:n-resize">n-resize</span><br>

<span style="cursor:ne-resize">ne-resize</span><br>

<span style="cursor:nw-resize">nw-resize</span><br>

<span style="cursor:pointer">pointer</span><br>

<span style="cursor:progress">progress</span><br>

<span style="cursor:s-resize">s-resize</span><br>

<span style="cursor:se-resize">se-resize</span><br>

<span style="cursor:sw-resize">sw-resize</span><br>

<span style="cursor:text">text</span><br>

<span style="cursor:w-resize">w-resize</span><br>

<span style="cursor:wait">wait</span><br>

</body>

</html>

Styling the lists:

list-style

ol {  
  background: #ff9999;  
  padding: 20px;  
}  
  
ul {  
  background: #3399ff;  
  padding: 20px;  
}  
  
ol li {  
  background: #ffe5e5;  
  padding: 5px;  
  margin-left: 35px;  
}  
  
ul li {  
  background: #cce5ff;  
  margin: 5px;  
}

table:

width, height, padding, text-align, border

tr-hover

tr:nth-child(even) {background-color: #f2f2f2;} – zebra stripes for the table rows

responsive table

creates horizontal scroll bar if the window is small

Block-level Elements:

<div>

<h1> - <h6>

<p>

<form>

<header>

<footer>

<section>

In-line elements:

<span>

<a>

<img>

Position : static, fixed, sticky

Overflow:

when content goes more than the screen

Options: hidden, visible, auto, scroll

Float :

to position the content

Left, right, none, inherit

Combinator:

Child selector (>)

## Adjacent Sibling Selector (+)

## general Sibling Selector (~)

Pseudo-classes

Pseudo-elements