

# HTML

## BASIC TAGS:-

**Hypertext markup language**

**Html:** - <html>.....</html>

**Head:** - <head>.....</head>

**Title:** - <title>.....</title>

**Body:** - <body>.....</body>

**Body attribute:** - bgcolor="color\_name"

**Header tags:-**

<h1>.....</h1>

<h2>.....</h2>

<h3>.....</h3>

<h4>.....</h4>

<h5>.....</h5>

<h6>.....</h6>

**Bold:** - <b>.....</b>

**Italic:** - <i>.....</i>

**Underline:** - <u>...</u>

**Subscript:** - <sub>...</sub>

**Superscript:** - <sup>...</sup>

**Center:** - <center>.... </center>

**Strikethrough:** - <s>.... </s>

**Font:** - <font >.... </font>

**Font attribute:** - color, size= 1 to 7, +1 to +4, face=style of font (times new roman)

**Break row:** - <br> <br clear="all">

**Horizontal rule:** - <hr>

**Paragraph:** - <p>...</p>

**Paragraph attribute:** - align=right, left, center, justify

**Html comment:** - <!-- .... -->

## LIST:-

**Unordered list:** - <ul>...</ul>

**Unordered list attribute:** - type= disk (default), circle, square

**Ordered list:** - <ol>...</ol>

**Ordered list attribute:** - type= 1 (default), a, A, i, I.

**Listed items:** - <li>...</li> (used in ol or ul)

**Nested list:-**

<ul>

<li>1</li>

```

<ul>
  <li>a</li>
  <li>b</li>
</ul>
<li>2</li>
<li>3</li>
</ul>

```

## TABLE: -

Distance can be in pixel (px) or percentage (%)

**Table:** - <table>...</table>

**Table attribute:** - border="1px" (width), bordercolor="color\_name", width="table width", height="table height", cellspacing="distance", cellpadding="distance"

**Table row:** - <tr>...</tr> (used in table)

**Table row attribute:** - bgcolor="color\_name"

**Table data:** - <td>...</td> (used in tr)

**Table data attribute:** - width="distance", height="distance", bgcolor="color\_name"

**Table header:** - <th>...</th> (used in th, make text bold and center)

**Table header attribute:** - width="distance", height="distance", bgcolor="color\_name"

## Table merging:-

**Table data attribute:** - colspan="count", rowspan="count"

## Nested table:-

```

<table>
  <tr>
    <td colspan="3">
      <table border="green" width="100%" height="100%">
        <tr>
          <td>end</td>
          <td>null</td>
          <td>0</td>
        </tr>
      </table>
    </td>
  </tr>
</table>

```

## DIV: -

**Division tag:** - <div>...</div>

**Division attribute:** - style="property: value;" (inline css)

**Style tag:** - <style>...</style> (used in head tag, external css)

**Division attribute:** - id="id\_name" (used with style)

**Css :- cascading style sheets**

**Example:-**

```
#d1{
    background-color: aliceblue;
    height: 300px;
    width: 300px;
}
```

```
div{
    border: 1px solid black;
}
```

**Properties:-**

background-color: color\_name;  
height: distance;  
width: distance;  
border: size style color; (short hand)  
float: left, right;

## CSS SELECTORS: -

**Id selector:** - id="name"; in css = #name (access with # hashtag)

**Tag selector:** - div, body, etc. in css = div, body

**Class selector:** - class="class1 class2 class3" in css = .class1 .class2 .class3 (access with .dot)

**Universal selector:** - in css \*{...} (access with \*)

**Selector precedence:** - in CSS is precedence set for, which selector style will apply to element.

- 1) **Inline CSS:** - it has higher precedence in CSS. **Ex:** - style="color: red;"
- 2) **Id selectors:** - it has lower precedence than inline CSS. **Ex:** - #d1{color:green;}
- 3) **Class selectors:** - it has lower precedence than id selectors. **Ex:** - .div1{color:yellow;}
- 4) **Element selectors:** - it has lower precedence than class selectors. **Ex:** - div{color:yellow;}

## Margin/padding properties:-

**Margin: -**

margin: distance; (from all side)  
margin-left: distance;  
margin-right: distance;  
margin-top: distance;  
margin-bottom: distance;  
margin: top/bottom left/right;

margin: top right bottom left;

**Padding: -**

padding: distance;  
padding-left: distance;  
padding-right: distance;  
padding-top: distance;  
padding-bottom: distance;  
padding: top/bottom left/right;  
padding: top right bottom left;

**BORDER: -** css properties

border: size style color;  
border-color: color\_name;  
border-style: value; dashed, dotted, double, groove, hidden, inset, outset, none, ridge.  
border-width: distance;  
border-radius: distance; px, %

**IMAGE: -**

**Image:** - <img>

**Image attribute:** - src="path of image\image\_name.extension", width="distance", height="distance", alt="text"

**MARQUEE:-**

**Marquee:** - <marquee>...</marquee>

**Marquee attribute:** - direction="value" right, left, up, down, height="distance", width="distance", behavior="value ", alternate, slide, scroll, scrollamount="value",

**ANCHOR: -**

**Anchor tag:** - <a>...</a>

**Anchor tag attribute:** - href="path/link" create hyperlink, target="\_blank" open link in another tag.

**BACKGROUND: -** css properties

background-color: color\_name;  
background-image: url(image\_name.extension);  
background-repeat: value; repeat, no-repeat, space, round, repeat-y, repeat-x.

background-position: value; top, bottom, left, right, center, left top, left bottom, right top, right bottom.

background-size: value; cover, contain, width, width height.

## LINK TAG: -

### Link css file:-

```
<link rel="stylesheet" href="test2.css"> href="css file path.css" rel="stylesheet"
```

### Icon for webpage:-

```
<link rel="icon" href="favicon.ico"> href="icon image path.ico" rel="icon"
```

### External font:-

Copy link from font websites and paste in head tag

And write font-family name in css

### In css: -

Copy code with @ import in css file or style tag

And access in font-family property

### Color wheel: -

Use color wheel of adobe for choose color with color-code copy color code

color: #F76143;

background-color: #9EEB67;

## FONT PROPERTIES:-

font-family: value; cursive, fantasy, monospace, sans-serif, serif

font-size: size;

font-style: italic;

font-weight: value; bold, bolder, 800,900, etc

## MENU:-

ul:- css property

list-style: none;

**hover:-** change on mouse hover

```
div{
```

```
background-color: bisque;
```

```
}
```

```
div:hover{
```

```
background-color: azure;
```

```
}
```

### **Access inside tag inside css**

```
ul li a{  
    text-decoration: none;  
}
```

Text-decoration: value; none, line-through, overline, underline

### **Position: - css property**

Position: value; absolute, fixed, relative, static, sticky

top: distance;

left: distance;

z-index: value; -1,-3,4,5, etc

### **Display: - css property**

display: value; block, inline, inline-block, none

visibility: hidden;

## **FORM:-**

**Form tag: -** <form>...</form>

**Input: -** <input> (used in form)

**Label: -** <label>... </label>

**Input attribute: -** type="value" placeholder="text" value="value"

### **Basic Type:-**

<input type="text" placeholder="enter" maxlength="10"> set limit for enter characters

<input type="password" placeholder="enter">

<input type="submit" value="Ok">

### **Change color of placeholder:-**

input::placeholder { color: red;}

### **Checkbox:-**

<input type="checkbox">

### **Radio button:-**

<input type="radio" name="gender">male

<input type="radio" name="gender">female

**Set name for grouping**

### **List:-**

```
<input list="ch">
<datalist id="ch">
  <option value="ch1">
  <option value="ch2">
  <option value="ch3">
</datalist>
```

### Select list:-

```
<select>
  <option>op1</option>
  <option>op2</option>
  <option>op3</option>
  <option>op4</option>
</select>
```

### Date-time:-

```
<input type="date">
<input type="time">
<input type="datetime-local">
```

### Textbox:-

```
<textarea rows="5" cols="30">
</textarea> rows="count", cols="count"
```

### Types:-

```
<input type="email" placeholder="enter" >
<input type="reset" value="re">
<input type="button" value="open">
<input type="number" max="10" min="0"> set min and max
<input type="text" maxlength="10"> set maxlength of numbers
<input type="file" accept="image/jpeg, image/png">
<input type="range">
<input type="color" >
<input type="hidden">
<input type="url">
```

### Apply css to input type: -

```
<style>
  [type="text"]{
    border: 5px solid green;
  }
  [type="password"]{
    border: 5px solid red;
```

```
    }  
</style>  
<form>  
    <input type="text"><br><br>  
    <input type="password"></form>
```