HTML(Hyper Text Markup Language)

1. **Web page creation.**
2. Coding language.

**Input** => code editor 🡪notepad , notepad++ , subline , visual studio,Cursor.

**Output** => browser 🡪chrome , firefox , mozila , safari.

**Window+r** => notepad++ => ok.

At The Time Of Save File Use **Extension( .Html )** After Your File Name.

**Save** => Ctrl + S.

**Refresh** =>F5.

**Switch** =>Alt+Tab.

**Html syntax:-**

<html>

<head>

<title> abc </title>

</head>

<body>

</body>

</html>

**Html Types Of Tags**

1. **empty tag** = <>
2. **container tag** = <> </>

* **ATTRIBUTES / (Tags)**

**Bold** = <b> </b> & <strong>

**Italic** = <i> </i> & <em>

**Underline** = <u> </u>

**Break row** = <br>

**Subscript**  = <sub> </sub>

**Super script**  = <sup> </sup>

**Big**  = <big> </big>

**Small** = <small> </small>

**Strike through**= <strike> </strike>

* **Types Of Heading Tag** 🡺6 Types

1. <h1> Aict </h1> ( Aict )
2. <h2> Aict </h2> ( Aict )
3. <h3> Aict </h3> ( Aict )
4. <h4> Aict </h4> ( Aict )
5. <h5> Aict </h5> ( Aict )
6. <h6> Aict </h6> ( Aict )

* **Types Of Font Size Tag 🡺** 7 Types **(color)**

1. <font size=1> Aict </font> ( Aict )
2. <font size=2> Aict </font> ( Aict )
3. <font size=3> Aict </font> ( Aict )
4. <font size=4> Aict </font> ( Aict )
5. <font size=5> Aict </font> ( Aict )
6. <font size=6> Aict </font> ( Aict )
7. <font size=7> Aict </font> ( Aict )

**Tags 🡺**

**Horizontal Row** = <hr> (width , size , color)

**Preview** = <pre> </pre>

**Paragraph** = <p> </p>

**Highlights =** <mark> </mark>

**Add word** = <ins> </ins>

**Delete word** = <del> </del>

**Text direction change** = **<bdo** dir=”rtl”> Aict **</bdo>** (Tcia)

**Full form tag**  = **<abbr** tittle=”world”> w**</abbr>**

**Left align** = **<p** align=”left”> **</p>**

**Right align**  = **<p** align=”right”> **</p>**

**Center align**  = **<p** align=”center”> **</p>**

**Marquee( Tag)**

**<marquee> </marquee>**

**Property 🡺**

1. Direction ( Up, Down , Left , Right)
2. Behavior ( Alternate)
3. Height , Width
4. Hspace , Vspace (horizontal & vertical space)
5. Scrollamount (moving fast)
6. Scrolldelay (moving delay)
7. Loop (repeat timing)
8. Bgcolor (background color)

**Table tags**

**<table> </table>**

**Property 🡺**

Table Heading 🡪 <th> </th>

Table row 🡪 <tr> </tr>

Table data 🡪 <td> </td>

1. Border
2. Bordercolordark
3. Bordercolorlight
4. Cellpadding
5. Cellspacing
6. Rowspan
7. Colspan

**Exp. 🡪**

<table border=2 bordercolordark="red" bordercolorlight="cyan" cellpadding=5 cellspacing=5>

<tr bgcolor="tomato">

<th>name</th>

<th>post</th>

<th>salary</th>

</tr>

<tr>

<td bgcolor="aqua">mohan</td>

<td>peon</td>

<td>10000</td>

</tr>

<tr>

<td>sohan</td>

<td>clerk</td>

<td>15000</td>

</tr>

<tr>

<td>sumit</td>

<td>manager</td>

<td>25000</td>

</tr>

</table>

**LIST( 3 TYPES OF LIST)**

1. **ORDER LIST 🡺 <ol> </ol>**

**TYPES = 1 , I , i , a , A**

1. **UNODER LIST 🡺 <ul> </ul>**

**TYPES = Square , Circle**

1. **DESCRIPTION LIST =<dl></dl> , <dt> </dt> , <dd> </dd>**

**Symbol🡺**

|  |  |
| --- | --- |
| Cent symbol | &cent; |
| Pound | &pound; |
| Yen | &yen; |
| Copyright | &copy; |
| Registered | &registered; |
| Degree | &deg; |
| Fraction (1/4) | &frac 14; |
| Division | &divide; |
| Less then | &lt; |
| Grater then | &gt; |
| Greater then or equal to | &ge; |
| Dagger | &dagger; |
| Spades | &spades; |
| Clubs | &clubs; |
| Heart | &hearts; |
| Diamonds | &diams; |

**Forms (Tags) <form> </form>**

**Property( placholder , autofocus, autocomplite, value, name, id max,min,** **maxlength,minlength,requried,onchange,action)**

* **<label> </label> input box.**
* **<fieldset> </ fieldset>**
* **<legend> </ legend>**

**text** 🡪<input type=”text”/>

**number**🡪<input type=”number” />

**password**🡪<input type=”password” />

**selection**🡪<input type=”radio” />

**cheakbox**🡪<input type=”cheakbox” />

**drop bar**🡪<select>

<option 1> </option1>

<option 1> </option1>

<option 1> </option1>

</select>

***Input types***

1. <input type=”button”/> (buttons)
2. <input type=”color”/> (colors)
3. <Input type=”date”/> (dates)
4. <Input type=”datetime-local”/> (date-times)
5. <input type=”file”/> (file)
6. <Input type=”hidden”/> (hidden)
7. <Input type=”image”/> (images)
8. <Input type=”month”/> (months)
9. <Input type=”range”/> (range)

10. <input type=”search”/> (search)

11. <input type=”tel”/> (telephones)

12. <input type=”url”/> (url)

13.<input type=”time”/> (times)

14.<input type=”week”/> (weeks)

**Frameset**

|  |  |
| --- | --- |
|  |  |

**<Frameset> </Frameset>**

**Ex:-**

**<frameset cols=50,50>**

**<frameset rows=100><frame src="3.jpg"></frame></frameset>**

**<frameset rows=100><frame src="3.jpg"></frame></frameset>**

**</frameset>**

**Map(photos devide two or more parts)**

0

100

50

0

0

|  |  |
| --- | --- |
| 1  100 | 2  100 |

100

50

0

**Coords 🡺 1. (0,0,50,100) 2.(50,0,100,100)**

**Ex:-**

**<html>**

**<img src="a.jpg" usemap="#mapi" height=100 width=100>**

**<map name="mapi">**

**<area name="a" coords="0,0,50,100" href="1.png">**

**<area name="b" coords="50,0,100,100" href="3.jpg">**

**</html>**

**Images**

**<img src=”” height=”” width=”” alt=”” />**

**Videos**

**<video src=”” height=”” width=”” controls autoplay muted loop>**

**</video>**

**Audios**

**<audio src=”” height=”” width=”” controls autoplay muted loop>**

**</audio>**

**Details**

**<detail>**

**computer history**

**<summary>**

**computer is a electronics device.**

**</summary>**

**</details>**

**Dhtml(Dynamic Hyper Text Markup Language) //**

**Css(Cass Cading Style Sheet)**

**Note:- Three Types Of Css.**

1. **Inline Css 2. Internal Css 3.External Css.**
2. **Inline css :- It Is Used To Under The Tag & Only One Line Tag Css.**

**Ex:- <h1 style = ” color : red ; ” >Aict</h1>**

1. **Internal css:- It Is Use To Page(file) In Html Any Tag & Any Times.**

**Ex:- <html>**

**<head><title>wed page</title></head>**

**<style>**

**H1{ color : red ; }**

**</style>**

**<body>**

**<h1>aict institute delhi</h1>**

**<h1>computer science</h1>**

**</body>**

**</html>**

1. **External css:- It Is Use To Attach A Css File (Link Tag) In Html Page(File).**

**Ex: - <html>**

H1{ color :red ;} **(a.css file)**

**<head><title>wed page</title></head>**

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

**<body>**

**<h1>aict institute delhi</h1>**

**<h1>computer science</h1>**

**</body>**

**</html>**

**Selector tags :-**

1. **Elements selector**

**Ex:- <h1>mohan</h1> h.{ color:red; }**

1. **Id selector (#)**

**Ex:- <h1 trid=”m”>mohan</h1> #m{ color:red; }**

1. **Class selector (.)**

**Ex:- <h1 class=”m”>mohan</h1> .m{ color:red; }**

**Attribute:- (Text/Font)**

|  |  |
| --- | --- |
| **Font-family** | Verdana,impact,arial, Aharoni,chiller,Calibri,Century,monospace |
| **Font-style** | Normal,italic,oblique |
| **Font-weight** | Normal,bold,bolder,lighter & value(100,200,300,400) |
| **Font-size** | x-small,xx-small,small & value(20px, 30px,40,50) |
| **Text-decoration** | None,underline,overline,line-through |
| **Vertical-align** | Basline,sub,super,top,text-top,middle,bootom |
| **Text-transform** | Captilize,uppercase,lowercase |
| **Text-align** | Left,right,center,justify |
| **Text-indent** | Values(10px,10,20px,20) |
| **Text-shadow** | 1px (h) 2px(v) red(c) |
| **Line-hight** | 10px |
| **Word-spacing** | 10px |
| **Letter-spacing** | 10px |

**Attribute:- (border)&(outline)**

|  |  |
| --- | --- |
| **Border-width** | 10px , 20px |
| **Border-color** | Red , green |
| **Border-style** | Solid,groove,dotted,inset,outset etc. |
| **Border-top-color** | Red , green |
| **Border-bottom-color** | Red , green |
| **Border-left-color** | Red , green |
| **Border-right-color** | Red , green |
| **Border-top-width** | Red , green |
| **Border-bottom-width** | 10px , 20px |
| **Border-left-width** | 10px , 20px |
| **Border-right-width** | 10px , 20px |
| **Border-top-style** | Solid,groove,dotted,inset,outset etc. |
| **Border-bottom-style** | Solid,groove,dotted,inset,outset etc. |
| **Border-left-style** | Solid,groove,dotted,inset,outset etc. |
| **Border-right-style** | Solid,groove,dotted,inset,outset etc. |
| **Border-radius** | 10px |
| **Border-top-radius** | 10px |
| **Border-bottom-radius** | 10px |
| **Border-left-radius** | 10px |
| **Border-right-radius** | 10px |

**Background**

|  |  |
| --- | --- |
| **Background-color** | Red,green |
| **Background-image** | url(“a.jpg”); |
| **Background-repeat** | x-repeat,y-repeat,no-repeat |
| **Background-postition** | Right top |
| **Background-Attachment** | Fixed,scroll |
| **Background-size** | Cover |

**Margin**

|  |  |
| --- | --- |
| **Margin-top** | 10px ,20px |
| **Margin-bottom** | 10px ,20px |
| **Margin-left** | 10px ,20px |
| **Margin-right** | 10px ,20px |
| **Margin** | 10px(T) 20px(R) 5px(B) 5px(L) |

**Padding**

|  |  |
| --- | --- |
| **padding-top** | 10px ,20px |
| **padding-bottom** | 10px ,20px |
| **padding-left** | 10px ,20px |
| **padding-right** | 10px ,20px |
| **padding** | 10px(T) 20px(R) 5px(B) 5px(L) |

**Effect(class base)**

|  |  |
| --- | --- |
| **.Link** | Border:2px solid red; color:yellow; |
| **.Hover** | Border:2px solid red; color:yellow; |
| **.Active** | Border:2px solid red; color:yellow; |
| **.visited** | Border:2px solid red; color:yellow; |