

# HTML Short Notes

- HTML elements
  - = Building blocks of HTML pages
  - represented by **<> tags**
- Basic HTML skeleton

**<!DOCTYPE html>**

**<html lang="en" dir="ltr">**

**<head>**

**<meta charset="utf-8">**

**<title>**

**</title>**

**</head>**

**<body>**

**</body>**

**</html>**

- Individual Elements Explana

- **<head> <meta charset="utf-8"> <title></title> </head>**

- *Within this head , you can enter Any other html element like h1 , body , para this space is dedicated for Tab , But try to avoid this*

- **<title></title>**

- **Website Tab Display Text**

- **<body>** Within this space use all h1-h6 para , this is where you have to play **</body>**

- **HTML Elements**

- it is defined by starting tag ( ending tag optional )

- Examples

- Para

- Heading

- Division

☐ Break

☐ **Heading Tags**

☐ `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, and `<h6>`

☐ both Open & Close Tag

☐ `<h1>` Heading 1 `</h1>`

☐ h1 biggest font

☐ h6 smallest font

☐ **Paragraph Tags**

☐ `<p>` `</p>`

☐ Both Open and close tag

☐ **Line Break tag**

☐ Within a para , Use to Separate text between 2 line

☐ `<br />`

☐ Only one tag , no need of closing tag , but have space /

☐ **Center Tag**

☐ `<center>` Within this everything will be centered `</center>`

☐ headings para , anything can be centered

☐ **Horizontal Separator line**

☐ `<hr />`

☐ Used to break sections

☐ Other single tags like `<hr />` are `<br />`

☐ **HTML Attributes**

☐ Are used modify contents within html elements

☐ These are characteristics placed inside HTML elements Opening Tag

☐ Attributes are of 2 parts

☐ name

☐ Ex : Align

☐ Value

☐ Ex : left/center/right

☐ **Ex Usage :** `<p align = "left" >`



## Core Attributes



**id**



Uniquely identifies any html element



**title**



gives suggested title for html element



**class**



To associate an element with a style sheet and specifies class of element



**style**



To specify cascading style sheet CSS rules within the element



## Text Modification Attributes



**Bold**



`<b> </b>`



`strong`



`<strong> </strong>`



**Italic**



`<i> </i>`



**emphasise**



Like italic



`<em> </em>`



**Underline**



`<u> </u>`



**Strike**



`<strike> </strike>`



**Fonts**



`<pre>` pre-formatted text



`<tt>` teletype text



**Marked / Highlight**



`<mark> </mark>`

☐ **Text Abbreviation**

☐ `<abbr title="N C Swaroop"> NCS </abbr >`

☐ **Acronym**

☐ `<acronym>NCS</acronym>`

☐ **Commenting**

☐ `<!-- - Commenting -->`

☐ This can be used for multiple lines

☐ **Attaching Image**

☐ ``

☐ border is border thickness

☐ Use break to Seperate images if you use many

☐ Don't use break to keep 3-4 images in same line

☐ Align center is not working in

☐ Use para , within para , put image and centre

☐ `<p style="text-align:center;"></p>`

☐ Can attach PNG JPEG GIF

☐ **Attaching Video**

☐ Video in a folder :

☐ `<video src="C:\Users\Admin\Do\realshort.mp4" autoplay poster="posterimage.jpg">`

☐ Online Video / YouTube

☐ Copy embed code while video is playing

☐ `<iframe width="400" height="200" src="https://www.youtube.co7kEpALVNsY" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>`

☐ Or use I frame option

☐ **Attaching Audio**

☐ `<audio controls autoplay> <source src="C:\Users\PM.ogg" type="audio/ogg"> </audio>`

- ☐ Attach any object like PDF
  - ☐ `<object type="application/pdf" width="500" height="1000" data="C:\Users\annual .pdf"> </object>`
  - ☐ to embed plugins (like Java applets, PDF readers, and Flash Players) in web pages, but can also be used to include HTML/ website in HTML code :
- ☐ `<embed>` element can also be used to include HTML in HTML
- ☐
- ☐ **Use of Lists**
  - ☐ **Unordered List = just bullets circles square lists no numerical**
    - `<ul type = "square">`
    - `<li>boolean</li>`
    - `<li>Dictionary</li>`
    - `</ul>`
    - type = "circle" or "disc"
  - ☐ If you don't specify type , circle will come
  - ☐ Nested list can be made , within a list , sub list can be done by simply declaring another ul and li
  - ☐ **Ordered Lists , Like 1,2,3 a b c**
    - `<ol type="1" start="10">`
    - `<li>Measures of Centrality </li>`
    - `</ol>`
  - ☐ Numbering change
    - ☐ `<ol type="i">`
    - ☐ `<ol type="a">`
  - ☐ **Use of defined / Description lists = means no bullets , no numbers**
  - ☐ where entries are listed like in a dictionary or encyclopedia. The definition list is the ideal way to present a glossary, list of terms, or other name/value list
  - ☐ `<dl>` opening tag of DL
  - ☐ `<dt>` a term definition term
  - ☐ `<dd>` term definition
  - ☐ `</dl>` closing tag of DL
  - ☐ Term definition

☐ Defines the end of the list

```
<dl>
  <dt>Ball Sports</dt>
    <dd>foot Ball</dd>
    <dd>Volley Ball</dd>
</dl>
```

☐ ( Displays in similar fashion )

☐ **Use of Tables**

☐ th will print bold

```
<table border="1" style Width=50% style height=40%>
```

```
  <tr>
    <th>Name</th>
    <th>Age</th>
    <th>Gender</th>
  </tr>
  <tr>
    <td>Rana</td>
    <td>25</td>
    <td>Male</td>
  </tr>
```

```
</table>
```

☐ Individual column width can also be altered

☐ <th style = "width:40%" > Name </th>

☐ Just like th for first row , first column can also be put in th Ex :

```
<th>Subject</th>
<th>Marks of S1</th>
<th>Marks of S2</th>
<tr>
  <th>Kannada</th>
    <td> 117 </td>
    <td> 111 </td>
</tr>
<tr>
  <th>English</th>
    <td> 93 </td>
    <td> 91 </td>
```

</tr>



## Applying Division Span using HTML attributes Class and ID



Div is used to group the contents ( ex para ) for applying style css tags



Span is used to create a seperate segment within a line

<p>

<div id="LasID" class="LastClass">

And on the strangest Sea <br>

Yet - <span style="color:blue" >never - in Extremity,</span> <br>

It asked a crumb - of me.<br>

</div>

</p>



Within head after title , insert attributes of a particular ID

<head>

<meta charset="utf-8">

<title>Div Span ID & Class</title>

<style media="screen">

#LasID{ background-color:powderblue;

color:red;

padding:15px;

text-align:center;

}

</style>

</head>



The syntax for id is: write a hash character (#), followed by an id name. Then, define the CSS properties within curly braces {}.



## Use of Forms

<form class="" action="index.html" method="post">

<label for="fname" >First Name :</label>

<input type="text" name="fname" value="To enter delete this text and

write " >

</form>

*( here name in input is mapped to for fname in label , so label for name and input name should be same )*

*Avoid delete and rewrite by Not using value*

*Rather use*

**value="" placeholder="This text will vanish when you click on field "**

*For email type="email"*

*To use Drop Down Options , label remains same*

*but instead of input! use select*

*Here input name and label name should match*

<select class ="Age" name="Age" >

<option value = "18">18 - 25 </option>

<option value = "25">25 - 30 </option>

</select >

For using Select around option , label remain same

<input id = "Male" type="radio" **name="Gender"** value="Male">

<input id = "Female" type="radio" **name="Gender"** value="Female">

if both name are equal either one will select and toggle

For password

type="password"

To get long text input

use text area instead of input

<textarea name="name" rows="6" cols="30" placeholder="Enter Feedback"> </textarea>

For checkbox

type="checkbox"



For button like submit

```
<input type="submit" name="submit" value="Submit">
```

```
<input type="button">
```

 Displays a clickable button