

HTML

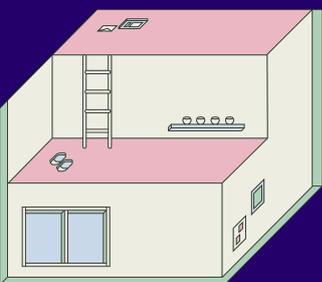
CSS

JS

structure/layout

styling

Logic



M

Level 1



M

HTML

Hyper text Markup Language

HTML is a language that is used to structure a web page and its content

*The component that are used to describe the websites are called **HTML tags***



First HTML File

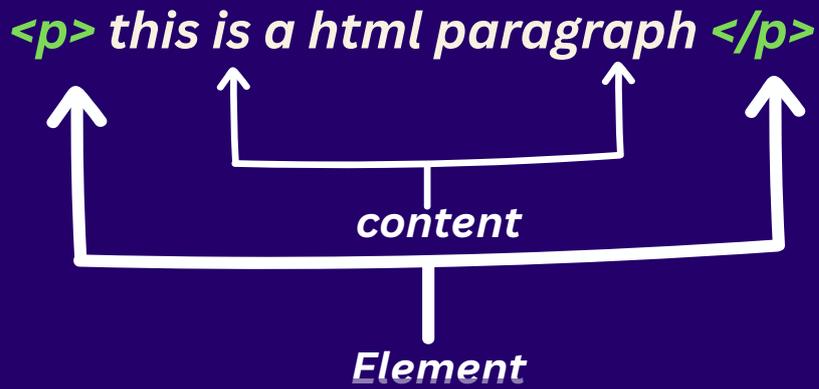
index.html

It's a default name for website homepage



HTML Tag

A container for some content or HTML tag



Basic HTML Page

`<!DOCTYPE html>`

Tells the browser you are using HTML5

`<html lang = "en">`

`<html>`

root of an html file

`<head>`

container for metadata

`<title>Document</title>`

page title

`</head>`

`<body>`

contains all data rendered by browser

`<p> this is a html paragraph </p>`

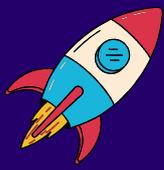
paragraph tag

`</body>`

`</html>`



Quick Points



html tag is parent of head & body tag

Most of html elements have opening & closing tags in between content

*some tags have no content in between. eg- `
`*

we use inspect element / view page source to edit html



Comments in HTML

this is a part of code that cannot executed

`<!-- this si html comment -->`



HTML is NOT case sensitive

`<HTML> = <html>`

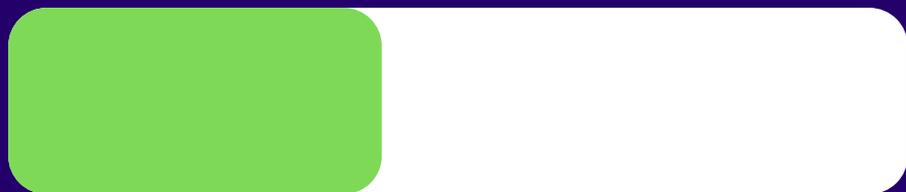
`<P> = <p>`

`<BODY> = <body>`

`<HEAD> = <head>`



Level 2



M

Basic html Tags

html Attributes

Attributes are used to add more information to the tag

`<html lang="en">`



Heading Tag

used to display headings in the html

h1 *(most important)*

h1

h1

h1

h1

h1 *(least important)*



Paragraph Tag

used to add paragraph in html

`<p> this is html paragraph</p>`



Anchor Tag

used to add links in to your page

```
<a href="google.com">Google</a>
```



Image Tag

used to add images in web page

```

```



relative url



Br Tag

used to add next line (line breaks) to your page

`
`

M

Bold, Italic & underline Tag

used to highlight text in page

this text is bold

<i>this text is italic</i>

<u>this text is underlined</u>



Bid & Small Tag

used to display big and small text on page

`<big>big text</big>`

`<small>small text</small>`



Hr tag

used to display a horizontal ruler, to separate content

`<hr>`



Subscript & Superscript Tag

Used to display text in power of other text

`_{subscript}`

H_2O

`^{superscript}`

$A^n + B$



Pre Tag

Used to display text as it is (without ignoring spaces & next lines)

`<pre>`

this is a

paragraph

`</pre>`



Level 3



M

Page Layout Techniques

Using semantic tags for layout

using right tags

<header>

<main>

<footer>



Inside Main Tag

section tag:- for a section on your page

<section>

Article tag:- for an article on your page

<article>

Aside tag:- for content aside main content

<aside> (ads)



Revisiting Anchor Tag

```
<a href="google.com"  
target="_main">Google</a>
```



for new tab

```
<a href="google.com" >Google</a>
```



clickable pic

Revisiting ImageTag

```

```



set height

```

```



set width



Dev tag

Dev is a container used for other html element

Block elements (take full width)



List : Dev Tags

`<address>`

`<article>`

`<aside>`

`<blockquote>`

`<canvas>`

`<dd>`

`<div>`

`<dl>`

`<dt>`

`<fieldset>`

`<figcaption>`

`<figure>`

`<footer>`

`<form>`

`<h1--h6>`

`<header>`

``

`<hr>`

`<main>`

`<nav>`

`<noscript>`

`<p>`

``

`<pre>`

`<section>`

`<table>`

`<video>`

``

`<tfoot>`



Span tag

span is a container used for other html element

inline elements (takes width as per size)



List: span Tags

<a>
<abbr>
<acronym>

<bdo>
<big>
**
**
<button>
<cite>
<var>
<time>

<code>
<dfn>
<i>

<input>
<kbd>
<label>
<map>
<object>
<tt>

<output>
<q>
<samp>
<script>
<small>
<sub>
<sup>

<textarea>

Level pro



M

Lists in html

Lists are used to represent real life list data



Unordered list

```
<ul>  
  <li>apple</li>  
  <li>orange</li>  
</ul>
```



ordered list

```
<ol>  
  <li>apple</li>  
  <li>orange</li>  
</ol>
```

Tables in html

Lists are used to represent real life list data

<tr> *used to display table row*

<td> *used to display table data*

<th> *used to display table header*



Tables in html

Lists are used to represent real life list data

```
<table>  
  <tr>  
    <th>Name</th>  
    <th>RollNo</th>  
  </tr>  
  <tr>  
    <th>Ali</th>  
    <th>4061</th>  
  </tr>  
</table>
```

Name	RollNo
Ali	4061

Caption in tables

`<caption>Student Name</caption>`

Student Data

<i>Name</i>	<i>RollNo</i>
<i>Ali</i>	<i>4061</i>

thead & tbody in tables

<thead> *To warp table head*

<tbody> *To warp table body*



Colspan attribute

colspan="n"

used to create cells which spans over multiple column

<i>Data</i>	
<i>Name</i>	<i>RollNo</i>
<i>Ali</i>	<i>4061</i>

Form in Html

forms are used to collect data from user.

Eg- sign up / login / help request / contact me

<form>

form content

</form>

Action in Form

Action attribute is used to define what action should be perform when form is submmited

<form action="action.php">



Form Element: Input

```
<input type="text" placeholder="Enter Name">
```



Label

```
<label for="id1"
```

```
  <input type="radio" value="classX"
```

```
    name="class" id="id1" >
```

```
</label>
```

```
<label for="id2"
```

```
  <input type="radio" value="classX1"
```

```
    name="class" id="id2" >
```

```
</label>
```

Class & Id

```
<div id="id1" class="group1">
```

```
</div>
```

```
<div id="id2" class="group2">
```

```
</div>
```



CheckBox

```
<label for="id1"
```

```
  <input type="checkbox" value="classX"  
        name="class" id="id1" >
```

```
</label>
```

```
<label for="id2"
```

```
  <input type="checkbox" value="classX1"  
        name="class" id="id2" >
```

```
</label>
```

Textarea

```
<textarea name="feedback" id="feedback"  
  placeholder="please add feedback" >  
</textarea>
```



Select

```
<select name="city" id="city">  
  <option vlaue="karachi">Karachi</option>  
  <option vlaue="Lahore">Lahore</option>  
  <option vlaue="multan">Multan</option>  
</select>
```



Iframe Tag

Website inside website



`<iframe src="link">Link </iframe>`



Video Tag

```
<video src="link.mp4">Link </video>
```

Attributes

controls

height

width

loop

autoplay



**All The Best In your future
Journey :)**

— Made with ❤️ by M- Wqar —