HTML

HTML → Hyper Text Markup language.

Html is the code that is used to structure a web page and its content.

- The component used to design the structure of website are called HTML tags.
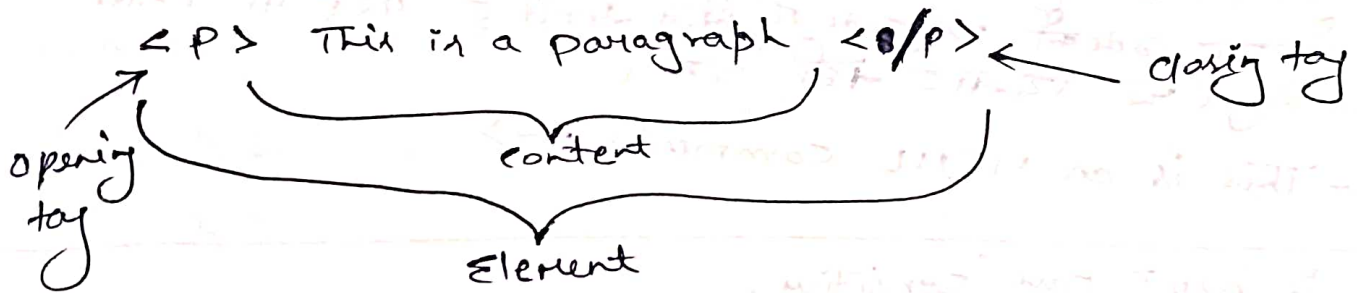
first HTML file

index. html

It is the default name for a website's homepage.

Down-load the extention — live server.

Now Go to file 🔲 → index. html.

* HTML Tag

A container for some content on other HTML tags.

<P> This is a paragraph <s/p> ← closing tag

opening tay

content

Element

Basic HTML page

<!DOCTYPE html>   — tells browser you are using
                           HTML 5

<html>   — root of an html documents

<head>   — container for metadata

<title> my first page </title> — page title

```
</head>
<body>  -  contains all data rendered by the bro
<p> hello world</p>  -  paragraph tag
</body>
</html>
```

Quick Points

- Html tag is parent of head & body tag
- Most of html elements have opening & closing tags with content in between.
- Some tags have no content in between, eg -
- we can use inspect element / view page source to edit html.

Comments in HTML

This is part of code that should not be parsed.
इस से हम code को VS code में लिख सकते हैं परंतु वो हमारी
web page पर दिखाई नहीं देगा।

`<!-- This is an HTML comments -->`

HTML is NOT case sensitive.

```
<html> = <HTML>
<p>    = <P>
<head> = <HEAD>
<body> = <BODY>
```

Create a file for your Portfolio Page.

Creat a New folder. — portfolio
- file बनाना है index.html
- Boilip Plate code लेकर आना है
- उसमे सिर्फ Hello world Print करना है।

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 HTML

h1   (most important)

h2

h3

h4

h5

h6   (least important)

__example__

```
<h1> Heading 1 </h1>
<h2>    "      2 </h2>
<h3>    "      3 </h3>
<h4>    "      4 </h4>
<h5>    "      5 </h5>
<h6>    "      6 </H6>
```

Paragraph Tag

used to add paragraphs in HTML.

`<p>` This is a sample paragraph `</p>`

बड़ी line को select करना है और setting पर जायेंगे.

- comondpalat पर आकर - Toggle word wrap

Anchor Tag

used to add links to your Page.

`<a href = "https://goggle.com"> Google </a>`

→ `<br/>` इस tag से हम Next line पर जाते हैं।

Image Tag.

used to add images to your page.

`<img src = "/image.png" alt = "Random Image">`

↑
relative url

Br Tag.

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

`<br>`

Bold, Italic & Underline Tags

used to highlight text in your page.

`<b> Bold </b>`

`<i> Italic </i>`

`<u> underline </u>`

Big & small Tags

used to display big & small text on your page.

`< big> Big </big >`

`< small > small </small >`

Hr Tag.

used to display a horizontal ruler, used to separate content.

`<hr>`

Sub script & superscript Tag

used to display a horizontal ruler, used to separate content.

`< sub > subscript </sub>` $\frac{e^x}{-7}$ `<p> H< sub> 2 </sub>O`

H_2O.

`< sub> superscript </sup>` $\frac{e^x}{-}$ `<p> 3 <sup> 2 </sup> = 9</p>`

$A^n + B$

Pre Tag

— used to display text as it is (without ignoring space & next line)

```
<pre> This
    is a sample
        text.
<1 pre>
```

Create pages:-

Education, Experience & projects & link them with your home page.

Page layout Techniques.

Semantic	non-Semantic
header	div
footer	span

using semantic tags for layout.

using the Right Tags

< header >

< Main >

< footer >

<u>ex</u> !

+ < body >
     < header >
         < h1 > ____ < /h1 >
         < h1 > ____ < /h1 >.

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 (ads)
     < aside >

Revisiting Anchor Tag.

```
<a href = "https://google.com" target = "_main">
                                                    Google </a>
```
for new tab

```
<a href = "https://google.com"> <img src="link"></a>
```
clickablepic

Revisiting Image Tag.

```
<img src = "link" height = 50 px>
```
set hight

```
<img src = "link" width = 50px>
```
set width.

Div Tag

Div is a container used for other HTML elements
Block Element (takes full width).

Span Tag

Span is also a container used for other HTML elements
Inline Element (takes width as per size).

List in HTML.

Lists are used to represent real life list data.

unordered   ordered

 Apple   Apple

 Mango   Mango

body के अंदर लिखना है <main> में

Tables in HTML

Tables are used to represent real life table data.

1. <tr> used to display table row

2. <td> used to display table data

3. <th> used to display table header.

I)   <table>

<tr>

Name	RollNo
Shradha	1664

<th> Name </th>

<th> RollNo </th>

</tr>

<tr>

<td> shradha </td>

<td> 1664 </td>

</tr>

</table>

goto Extension and Install the Prettier - code formatter.

Caption in Tables.

`<caption>` student Data `</caption>`
    ↳

Student Data

Name	Roll No
Tarun	1664

thead & tbody in Tables.

`<thead>` to wrap table head.

`<tbody>` to wrap table head.

form in HTML.

forms are used to collect data from the user :

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

`<form>`

form content

`</form>`

Action in form.

Action attribute is used to define what action needs to be performed when a form is submitted.

`<form action = " /action . php ">`

form element : Input

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

Label.

`<label for = "id 1">`
    `<input type = "radio" value = " clan X" name="clan id = "id 1">`.

`</label>`.

```html
< label for ="id 2" >
    <input type = "radio" value = " clan x" "clan" id "id
< /label >
```

eu
```html
    < input type ="radio" value =" clan x1 "name =" clan ">cla
<input type =" radio" value = " clan x11  name =" clan ">clan x11
```

clan & Id
```html
<div id = "id 1" clan = "group 1" >
    < /div >.

<div id = " id 2> clan = "group 1" >
    < / div >.
```

check box
```html
<label for = "id 1">
    <input type = " checkbox " value = "clan x" name = "clan"
                                              id = "id 1" >
</label>.


<label for = "id 2">
<input type = " checkbox " value = " clan x" name = "clan"
                                          id = "id 2">

< /label >.
```

select.
```html
< select name = "city" id = "city ">.
    <option value = "Delhi "> Delhi </option >
    <option value = "mumbai"> Delhi </option>
    <option value = "Banglore" > Delhi </option >
    </select>.
```

iframe Tag.

website inside website

```
< iframe src = " link" >.
```

video Tag.

```
< video src = "my vid.mp4" > my video </video>
```

Attributes.

- controls
- height
- width
- loop
- autoplay