

What is HTML?

- HTML stands for hypertext markup language.
- It is the standard markup language for creating web pages.
- It describes the structure of a web page.
- It consists of series of elements.
- The elements tell the browser how to display the content.

Why CSS and JavaScript:

- HTML is used for defining a layout of the page A bare bone page structure.
- Css is used to add styling to that barebone page created using HTML.
- JavaScript is used to programs logic for the page layout. Eg) what to do with the user input?

Choosing a text editor:

- One can use any text editor of his/her choice.
- HTML can even be written in Notepad. Text editors like VS code just make things easier.

Notes:

```
<!DOCTYPE html>
<html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>This is a Heading</h1>
This is a paragraph.
</body>
```

** NOTE: HTML is not case-sensitive.

- The <! DOCTYPE HTML> declaration defines that this document is an HTML5 document.
- The HTML element is the root element of an HTML page.
- The <head> element contains meta information about the HTML page.
- o The <title> element specifies a title for the HTML page.
- The <body> element defines the document's body and is a container for all the visible content such as headings, paragraphs, images, hyperlinks etc.
- The <h1>,<h2>..... define headings.
- The element defines paragraph.

Important points:

- Head and body tags are children of HTML tag.
- HTML is the parent of Head and Body tags.
- Most of the HTML elements have opening and closing tag with content in between opening and closing tags.
- Some HTML tags have no content . These are called Empty elements. eg.

- We can either use .htm or .html extension.
- You can use "Inspect Element" or "view Page source " option from chrome to Look into a website's HTML code.
- Html element = start tag + content + End tag

Comments in HTML:

Comments in HTML are used to mark text which should not be parsed . They can help document the source code.

```
< !-- HTML comment - ->
```

Heading tag:

The heading tag is used to mark headings in HTML. From <hi> to <h6>, we have tags from the most important to the least important headings.

to make text thick or bold.

<h1> Most important Heading </h1>

< L2> Another heading H2 </ L2> NOTE: We should not use HTML headings

(h3) Another heading H3 </h3>

< hy> Another heading Hy </hy>

< h5> Another heading Hs </ h5>

< h6> Another heading #6 </h6>

Paragraph tag:

Paragraph tags are used to add paragraphs to an HTML page.

> dhis is a paragraph

Anchor tag:

The anchor tag is used to add links to an existing content on an HTML page.

< a href = "https: 11 google. com "> click me

Image tag:

Image tag is used to add images to an HTML page.

< ing src = "image . Jpg ">

La relative url of an image

Pre tag:

HTML always ignores extra spaces and newlines. In order to display things as it is, we use the pre-tag.

This to written

using pre

tag

Customisation:

-) Use < strong > instead of bold.
- 3) Use instead of italic.





9talic font

1talic font

These elements / tags are used to format font.

Image and video insertion:

```
indexection > ...

indexection > ...

indexection > ...

chead > ...

chead > ...

chead > ...

cheat charset = "UTF-8" > ...

cheat charset = "UTF-8"
```

o diserting video with a thumbnail and controls.

→ <video src = "tutorial.mp4" paster = "wall;

ipg controls > video failed to load </video>

رى<u>يەلا</u>

Use i-frame for youtube:

Embed video -> from youtube -> You

will get access to all the default

settings.

o width, height

If you change only one parameter,

the aspect ratio remains

intact.

Text/image
This uses the Text/imag. to direct
the user to the specified link.

- open link in new tab;

 target = "_ blank"
- O < img src = "walli.jpg" alt = "Anime wallpaper"> doserting on image
- Displays test if image doesn't load.

Lists in HTML:

```
<!DOCTYPE html>
<html>
   <head>
       <meta charset = "UTF-8">
       <meta name="description" content="This is an awesome website!!">
       <title>Aryan's Website</title>
   </head>
          <dt>Apples</dt>
          <dd>- They are red.</dd>
      </dl>
      type = "I">
          Apples
          Oranges
          Bananas
      </body>
</html>
```

```
lists are used to display content which
                                                 Apples
 represents a list.
                                                      - They are red.
Unordered list: Used to list mordered items
                                                    I. Apples
         < 0 6>
                                                    II. Oranges
                                                   III. Bananas
             4 Li> Home </Li>
             ( li> About </Li>
         </66>
                              ordered list: used to list ordered items
                                        <oL>
                                             thone </Li>
                                            2012 PC </115
                                            leptop 
                                      </oL>
```