* Element: Combination of starting tag & closing tag with the content.

Ex: <h1> Hello world </h1>

- * tago: Anything that's inside an angle bracket. we call these angle brackets is a tag. Ex: < h1>, < 1 h1>
- * The content uniside the <body > section will be displayed in a browser. And the content unside the <title> element will be shown in the browser's title bor or tab bar.

Basic Syntane of HTML

<! DOCTYPE html>

< html long = "em">

<head</pre>

<meta chouset = "utf-8">

<title> my website </title>

(style > <15byle 7

<5emipt> <150ipt>

</head>

< body >

<h1> Hello World </h1>

</body>

</h

"8- FIU's despet with

<! D'OCTYPE hand > - It tells the browser which .
version of the file was written

- It uses HTML version 5.

< html laing = "en" > - It is the scot of the document

- The attribute "lang" is the language of the text content in the element.

- en is "english".

- It is important for the users who can see your website through screen reader.

- It is an accar where important information about the website is placed that is not going to be displayed to user.

* HTML < Meta> tags :

< meta chause: "UTF-8" - Meta tag for the chared</p>
set encoding of the web

could page deduct along

- It tells the bicaries to use the Utf-8 characters encoding when translation machine code into human readable text.

characters that you're using on your website gets displayed correctly.

Ex: - It won't allow emoji's o'l Symbols like multiplication & division.

- < meta name = "description" content = "free web browser">
 - It tells the becaused to reach by the description.
- <meta name = "Keywords" content = "HTML, CSS, Javas-</pre> -cript">
 - It tells the browser to search by the keywords.
- <meta name = "author" content = "John Doe">
 - It tells the browser to sporch by the author.
- < meta norme = "Viewsport" content = "width = device-with
 - It adjust the screen size according to the size of the screen for competable view.
- <tile> </tile> It usually gets displayed up in the Tab bast.
- < link> < lienk> It is a link to external style sheet.
 - < link out = "stylesheet" hough = "styles.css">
- < style> < | style> This is used to apply simple styleshed Crs surles to the HTML document.
- < script> < 1 seript> This is used to apply Javascript file which are in other files.
- All the time contents are written here. like header tag, links, images, etc. <pody>

* HTML Heading Elements:

- It looks like

<h1> Hello world
I I
opening content closing tag

- There are 6 levels of headings <h1> to <h6> <h1> defines the most important heading <h6> defines the least important heading

* Paragraph element:

- It defined with the <P> tag Ex: <P> This is a paragraph <IP>

* HTML comments:

- It defined with <! -- comments -->

* < b > > tag:

- It is a break tag
- It inserts a single line break.
- It is an empty tag which means that It has to end tag.

* tag:

- It is used to display the content in the exact format in which it is written in the notepad.

* HTML < marquel > tag:

- <marquel > <1 morquel>
- scrolling content is displayed by using this tog.

* HTML <hot > tag:

- When we use it in paragraph, it gives a torizontal line in b/w the paragraph.

* Anchor elements:

- It looks like < a hore; = " link of website" tagget = "blank"> content
- The <a>> (Anchor) element with its help attribute oreate a hyperlink to webpages, files, Email address in the same page.
 - The target attribute tells where the linked document should open. It has different values.
 - 1.-blank: opens the linked document in a new wirdow or tab.
 - 2. <u>self</u>: opens the linked document in same wirdow or tab.

* Attendicates:

- Which gives additional information to the element.
- attribute is a paid of name & value.
- attribute value should be mention in the "" or ', but good pradice is "";
 - attendante should be mentioned in the open tag only.

- * Dyference b/w Link tag & anchor tag:
 - Link tag: It is used to link the external documents to our HTML document
 - Anchor tag: It is used to create hyperling to other web pages.
- * Div tag: It defines a division of a section on an HTML document.
 - It is used as a container for HTML elements
- * span tag: It is used for grouping of virline elements.
 - * Display behaviour of Inline & block elements:
 - Inline: Which occupies the space required
 - This element does not stool in
 - Ex: < span > , <a>
 - Block: Which will occupies entire space in the same line.
 - Thus element always slowers on a new line.
 - Ex: <P>, <div>, × heading tags>

* Image elements: wel is the value < ing soic = "wel"/ height = " " width = " " alt = " "> Ly sic means source of the image.

- -> It is an void element.
- -> The alt attribute:

We use this alt attribute for the people who are blind or visually impaired, they don't look at the internet the same way we do.

They use screen reader.

This screen reader will read the atternative text when the image is dicked.

- * In how many ways we can include images in own html documents:-
 - 1. absolute path
 - a. vielative path.

* < Img > attributes

- To adjust the height of the image - alti
 - To adjust the width of the image -> width
 - -> crossorigin (anonymous, use-credentials) Allow images from third party sites
 - → boding (eager, lazy) specifies whether a browser should load an image immediately of to defert.
 - -> Sucret (wel-list) specifies a list of images files to use in different situations.

→ longdesc (well)

specifies a well to a detailed description
of an image

* Morquee tag attributes -

- → behavior (Scroll, suide, alternate)

 It sets the behavior
- → direction (left, sught, up & down)

 defines direction for scrolling content
- → width defines the width
- -> height defines the height
- → hspace defines horizontal space
- → VSpace defines vertical space
- → scrolldelay definies scroll delay in seconds
- → loop

 defines loop for manquee content un number

 → bgcolor

 defines background color.
- * Anchor tag attributes -
 - → download (filerame) > <a met: "download? <10)

 Specifies that the target will be download

 when a west clicks on the hypestink.
 - -> trueflang (language_code)
 Epecifies the language of the linked document

```
* <caption > tag
      It is title for the table.
 * (table > tag
                                   > Table header element
     < 101> -> Table Row element
     <tu>
                                     > Table Data cell element
        . 
     <1t01>
      < to1 >
         > <1td>>
         21617
     <1table>
  -> nowspan (number)
      specifies the no. of slows a cell should span.
       specifies the rood columns a table cell should span.
  -> colspan
* The list elements:
 -> unordered list 
              Ly It creates built points for list items.
      Ex: -
                                                  · Milk
        <UL>
           · bread
           buad 
                                             · eggs

         <1UL>
```

→ ordered list <017 <101> Ly It gives numbers for list tem Ex: <01 7 1. Milk Milk </ <u>< bush >> 2. Bush <11 > eggs <14> -> If u want to get Roman type, then -> If I want to start from middle of the number them < of start = "5" > < of surersed = "5"> -> Reversed -This specifies that the list items one in reverse order. Items will be numbered from low to high EX -1. Lays <111> cyco <111> </01> -> type - < 101 > Sets the numbering type --> 'a' for buercase letters 'A' foil appearage letters i' for lowercase Roman numerals "I' for uppercase " "I" for numbers (default)

dl → description list dt → term in description list dd → describe a term in description list

<dd>> Black hot drunk </dd>

* details & summary targ -

</6ll>

Û^{*} 5

Summony tag defines a visible heading for the <aetails? element. The heading can be clicked to view / hide the details.

<details >
 <summosus > html <|summosus >
 < <P> <|P> on img tag

<|details >

* Iframes
The is used to display a web page within a web page.

Syntax - </ri>
<iframe suc = "well" title = "description"> </iframe>

iframe attributes -

- → height size of the ifscame
- -> width of the iframe
- → title description for the link
- -> border

 To keep / remove the border

* Semantic elements -

 \rightarrow It clearly describes its meaning to both the browser ξ the developer.

Ex: < article >

<aside >

< details >

< figcaption>

< figure 7

<footer>

< header >

< milon >

< xvem>

< mon>

< section>

< Summary >

<time>