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Branch - IT

Internet and Web Technology

UNIT-1

INTERNET & HTML 5

Text Editor - v.s Code

WEBSITE FRONT END

- ① HTML - structure layout
- ② CSS - style - cascading style sheets
- ③ J.S - logic

Basics of HTML

Hypertext Markup language

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

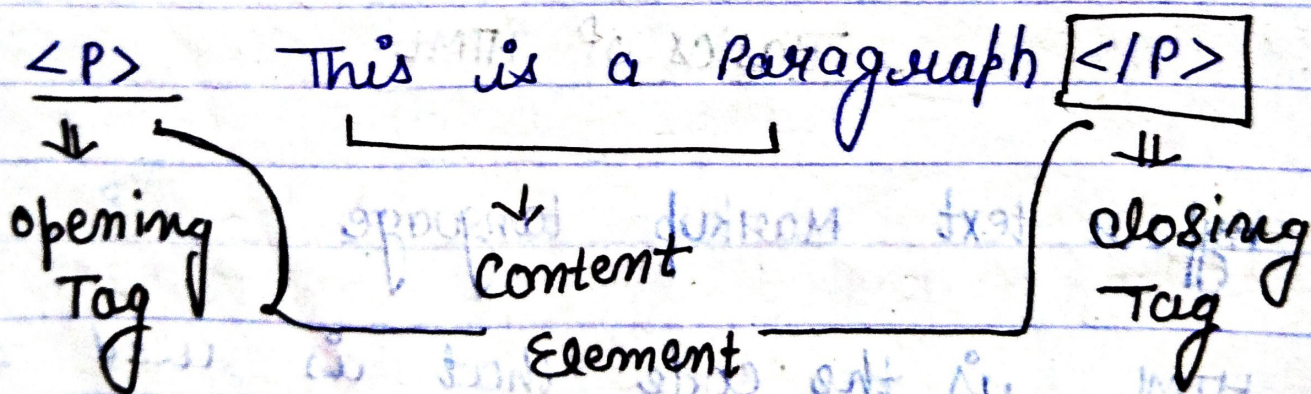
* The component used to design the structure of websites called HTML Tags.

* when we touch the view page source we can easily see the codes.

First HTML File :-

HTML Tags

A container for some content or other HTML Tags



* Metadata \Rightarrow data about data

* Basic HTML Page :- *

`<!DOCTYPE html >` \rightarrow tells browser you're

using HTML 5

`<html >` \rightarrow root of an html document

Not display `<head >` \rightarrow container for metadata

`<title > My first page </title >`

\Downarrow
Page title

`<body >` \rightarrow Contains all data rendered by the browser

`<p > helloworld </p >` \rightarrow Paragraph tag

`</body >`

`</html >`

Comment in HTML

`<!-- this is a body tag -->`

This is part of code that should not be parsed.

\hookrightarrow browser can't render

Paragraph Tag :-

used to add paragraph in HTML

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

Anchor Tags :-

used to add link to your page

 Google
link ↓ display

Image Tag :-

used to add images to your page

<img src = "/image.png" alt = "Randa
↓ source image">

* alt → image load न होने पर
alt की value display

br tag :-

used to add next line (Line break) to your page

 ⇒ Empty tag

Bold, Italic & Underline tag :-

 bold

<i> Italic </i>

<u> underline </u>

<big>

</big>

<small>

</small>

Hr Tag :-

used to display a horizontal ruler, used to separate content

<hr>

br tag :-

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

 ⇒ Empty tag

Bold, Italic & Underline tag :-

 bold

<i> Italic </i>

<u> underline </u>

<big>

</big>

<small>

</small>

hr Tag :-

used to display a horizontal ruler, used to separate content

<hr>

Subscript & Superscript Tag :-

used to display horizontal ruler
used to separate content

`_{subscript}`

H_2O

`^{superscript}`

$A^m + B$

Pre Tag :-

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

`<pre> This is sample text </pre>`

Paging layout Techniques

- ① Semantic Tags
- ② Non-semantic

< header >

< main >

< footer >

Inside Main Tags :-

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 >

Anchor Tag :-

` Google `
for new tab

` `
clickable Pic

Div Tag :- (Non semantic)

Div is a container used for other HTML element
Block element (take full width)

inline \rightarrow जितनी जगह चाहिये उन्ही ही लेते हैं

span tag :-

span is also a container used for other HTML element
inline element (take width as per size)

List in HTML :-

List are used to represent real life list data.

unordered

 Apple

 Mango

ordered

 Apple

 Mango

Tables in HTML :-

Tables are used to represent real life table data.

⇒ <tr> used to display table row

⇒ <td> used to display table data

⇒ <th> used to display table header

<table >

</table >

caption in Table :-

<caption> student data </caption>

thead & tbody in tables :-

Table head \Rightarrow to wrap table head
<thead>

Table body \Rightarrow to wrap table body
<tbody>

FORM IN HTML :-

Forms are used to collect data
form user Eg- sign up / login / help
request / contact me

<form> form contact </form>

Action in Form :-

Action attributes 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 " >

< / label >

Check Box :-

< label for = " id 1 " >

< input type = "checkbox" value

= " class x " name = " class "

id = " id 1 " >

< / label >

select :-

<select >

</select >

* Exm

<select name = "city" id = "city">

<option value = "delhi"> Delhi </option>

</select >

iframe Tag :-

website inside website

<iframe src = "link">

video Tag :-

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

Attributes :-

- controls
- height
- width
- loop
- autoplay