HTML :
- A markup language used to create & design webpage.
- It is webpage layout language.
- It is a set of tags/rules that defines how the content will display.
- It is Developed By Tim Berners Lee in 1990 at CERN.

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History of HTML :

first version	HTML	in 1991
	HTML+	1993
	HTML 2.0	1995
	HTML 3.2	1997
	HTML 4.01	1999
	XHTML	2000
	HTML5	2012

Tag — An HTML command enclosed in angular brackets < > that tell the web browse how a content to be displayed.

Element — A combination of opening Tag, closing Tag & the content.

Attribute → special keywords to provide addition information that change default behavior of a tag.

Structure of Tag :

→ Every Tag contains a tagname & enclosed in angular bracket

→ Tag name is followed by one or more optional attributes.

→ closing Tag is defined by </ >

<Tagname   attribute = " value ">

-

</Tagname>

e.g.

                                    attribute   → value

opening
Tag   <Body   bgcolor = "red">

Tag Name

            </Body>
                            → closing Tag.

Element eg.

opening
Tag → <H1> Sample Text </H1> ← element
                                                    closing Tag.

                            content

Structure of HTML Document :

An HTML Document is Devided into 2 parts.

① Head section   ② Body section

Structure.

```
<HTML>

              <HEAD>
Head                   <TITLE> - - - </TITLE>
Section  {
              </HEAD>


              <BODY>
Body
section  {        - - -
                  - - -
                  - - -
              </BODY>
         </HTML>
```
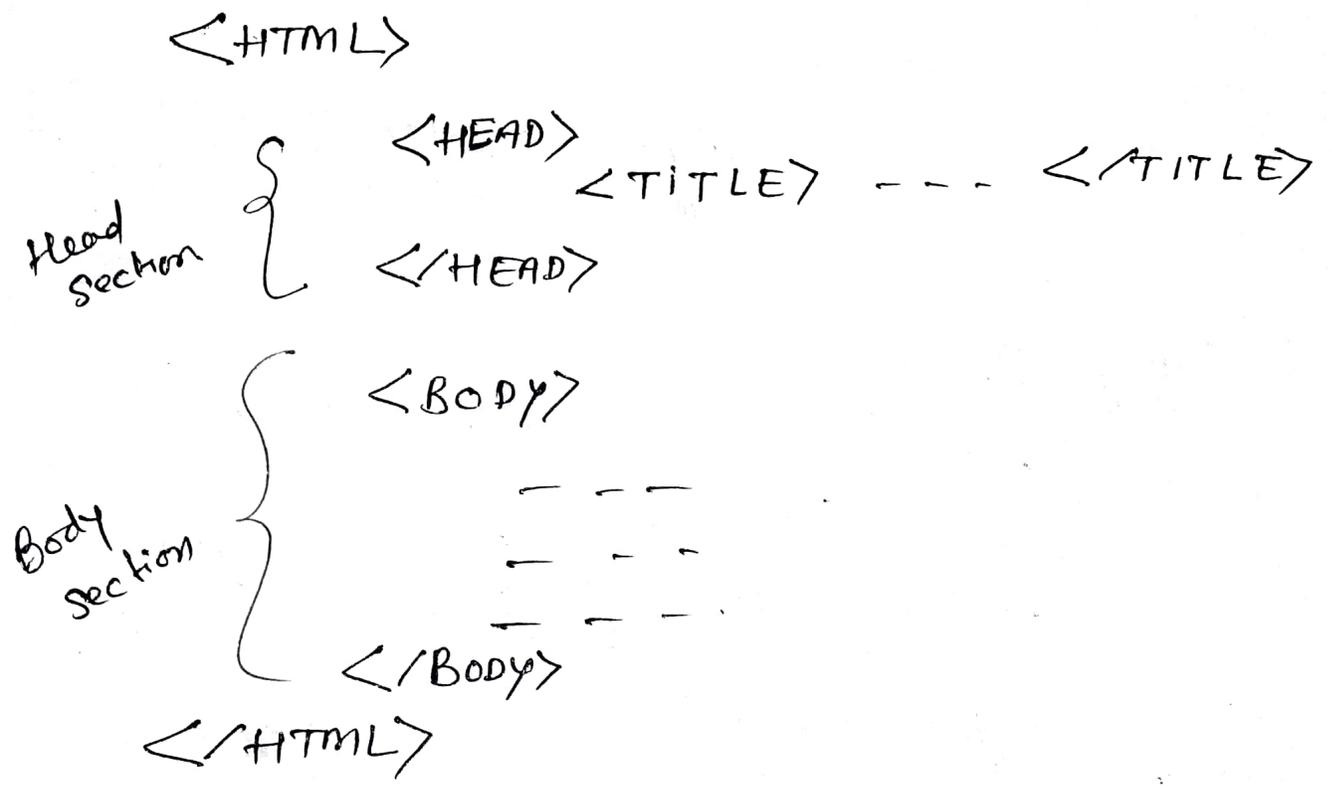
Head Section →

- Head Section is created by using <HEAD> Tag
- It contains information about document such as Title, script, style information etc.

Body Section.

- It is the second largest part of HTML Document
- It contains all the content to be displayed in Browser.
- It is created by using <BODY> Tag.

Type of Element /Tag

There are two types of HTML ~~Discusse~~ Tag or Element

• Container Tag

- A tag that have opening Tag as well as closing Tag is called container Tag.

  e.g <HEAD>, <HTML>, <BODY> etc.
  </HEAD> </HTML> </BODY>

Empty Tags.

- A Tag that do not have closing Tag. is called empty Tag.
- They do not contain anything.

  eg. <Img>, <BR>, <HR> etc.

Note: Empty Tag can be defined as —

- use only open tag → <Tagname>

- use open & close → <Tagname> </Tagname>
  Tag without content

- Selfclosing Tag → <Tagname/>

All are the ways to represent empty tags.

Document structure in HTML 5

```
<! DOCTYPE html>
<HTML  lang= "en">
<HEAD>
      <TITLE> ...... </TITLE>
      <META charset = "utf-8">
</HEAD>

<BODY>
              - - - -
              - - - -
              - - - -

</BODY>
<HTML>
```

- DOCTYPE Declaration must be at Top of HTML Document
- DOCTYPE Tells browser - version of HTML Document.

<HTML>

- It is the Top level tag of HTML Document.
- It define document as an HTML document.

Attribute :

lang — to define language of HTML document ie. lang="en" for english.

dir — to define direction of text in webpage.

possible values → ltr for left to right
                  rtl for right to left

\<Meta\> charset :

\<Meta\> Tag charset attribute is used to define character encoding scheme used for webpage.

\<HEAD\> Tag :

* It is a container tag.
* It is used to create Head Section of HTML document.
* It contains — Title of webpage.
  - script Information.
  - stylesheet information.
  - information about author,
  - keywords.

\<TITLE\> Tag :

* It is used to provide title of webpage.
* title is displayed on title bar of web browser
* This tag always used inside \<Head\> Section

Note : \<HTML\>, \<HEAD\>, \<BODY\>, \<TITLE\>
are structural tags. As they appears only once in a webpage.

<BODY> Tag :-

* <BODY> tag is used to create Body section of webpage.
* It contains all content to be displayed in webbrowser.
* It is container tag.
* It is the second largest part of webpage. as all other tags are used between <Body> </Body> tags.

Attributes of <BODY> tag :-> Bgcolor, Text, Background, Link, vlink, alink, leftmargin, topmargin

Bgcolor : It is used to set background colour of webpage. Default background colour is white.

Syntax:

    <Body bgcolor = "red">

Text : To set text colour of entire textual content in webpage. Default textcolour is black

Syntax:
    <Body text = "yellow">

Background: To set background image in Background of webpage.

                                    path(url) of image
                                        ↓
    <BODY background = " C:\flowers \ rose-jpg ">
                            ↓   ↓   ↓
                        Drive name   folder   image name.
                                        name

LINK : It is used to set colour of hyperlink in a webpage. Default colour is <u>blue</u>

<u>Syntax</u> -

<BODY Link = " yellow">

ALINK : It is used to set colour of active link when user click on it. Default active link colour is <u>red</u>

<u>Syntax</u> :

<BODY alink = "green">

VLINK : It is used to set colour of visited hyperlink. Default vlink color is <u>purple</u>.

<u>Syntax</u>.

<BODY vlink = "orange">

Leftmargin :— It is used to leave some space in left side of webpage. It value is any positive integer.

Syntax.

<BODY leftmargin = "10">

Topmargin : It is used to leave space from top of webpage. Its value is always positive integer.

<u>Syntax</u> -

<BODY topmargin = "15">

<u>Note</u> : we can also provide <u>rightmargin</u> & <u>bottommargin</u> of webpage by using <u>rightmargin</u> & <u>bottommargin</u> attributes