

HTML **(Hypertext Markup language)**

Website: A group of web pages which are linked together is called website.

WebPages: Individual page of web site is called WebPages. It can contain any amount of text, graphics, multimedia objects and hyperlinks.

HomePage: Each web site has a startup page called HomePage. Whenever website is accessed its homepage is displayed. Generally Homepage contains summary of all the information present in website and hyperlinks to visit them.

HyperText: Text/Picture/Object through which link to other object or webpage is established is called Hypertext.

Markup : Markup refers to the sequence of characters or other symbols that you insert at certain places in a text or word processing file to indicate how the file should look when it is printed or displayed or to describe the document's logical structure. The markup indicators are often called "tags."

HTML: It is a page layout & hyperlink specification computer language use to design/develop website/webpage.

It was introduced by **Tim Berners Lee at Geneva Switzerland in 90s.**

Programming Vs Markup language

Html is different from programming languages as unlike programming languages –

- It does not act on external data rather the data & markup tags both are present in the same document.
- It does not provide data structure & control instructions as it is supported by other programming languages such as C, C++, Basic etc.

Characteristic/ Features of HTML:

- Easy to write
- Easy to Understand
- Highly portable
- Case Insensitive etc.

HTMLTags: HTML commands are known as TAGs. HTML tags are always enclosed within angle brackets and are case insensitive.

The HTML tags are classified into two categories – Container & Empty.

- **Container Tag:** These tags are always used in pairs like <tag>.....</tag> and process all the objects which are enclosed within it.
- **Empty Tag:** These are used single. Whenever these are encountered in a HTML program an action takes place.

Creating and Executing HTML documents:

HTML documents are created using any text editor like NOTEPAD, MSWRITE etc. and are executed using any web browser like Internet Explorer, Netscape Communicator, Mosaic etc.

- HTML program file must bear extension name .HTM/.HTML otherwise they can not be executed.
- **HTML program Structure:** HTML program is divided into two sections – HEAD & BODY. Head section contains detail like Title, scripting etc and Body section contains information to be displayed in the web page along with the HTML commands to specify the appearance of information.

Ex.

```
<HTML>

<HEAD>
  <TITLE> My First Web Page</TITLE>
</HEAD>

<BODY>
  I ..... student of class XI
  have made this page .
</BODY>

</HTML>
```