Introduction to HTML:
It is the standard markup language used to create web pages.

Features of HTML..
1.HTML is highly flexible
2.HTML is user friendly
3.HTML is an open technology
4.HTML is consistent and efficient
5. It takes less time to load the web pages

Limitations of HTML:
1. It can create only static and plain pages
2. Need to write lot of code
3. Security features are not good in HTML.

Versions of HTML

Version	Year
HTML	1991
HTML 2.0	1995
HTML 3.2	1997
HTML 4.01	1998
XHTML	1999
HTML5	2008-2014 (W3C + WHATWG)
HTML5.1	2016

HISTORY of HTML :(Web-1.0)
As per W3C standards:
First time, Sir Tim Berners Lee implemented
1989 GML ==> Generalized Markup Language
1991 SGML ==> Standard Generalized Markup Language
1994 HTML ==> Hyper Text Markup Language
1998 ==> XML+HTML=XHTML => Extended Hyper Text Markup Language, features are: SMS, MMS, Email, Web-Services,

After 10 Years(Web2.0)
www.whatwg.org (Mozilla+Apple+Opera)
Web Hypertext Application Technology Working Group
2008 => HTML5 ==> Advanced Hyper Text Markup Language for Better webApps.

After 8 Years
2016 ==> HTML5.1, Advanced Hyper Text Markup Language for all Gadgets and Widgets (Small E-Devices or Smart Components)

PYTHON+Django+NLP+ML+DL+AI
Web-3.0 ==> Web BOTS (Automation)

Define a Tag:
The text placed between left angular brace " < " and right angular brace " > " is called as TAG.

Syntax: <------>
Example: <html>

Tags are classified into two types:
1. Paired Tags:
The tags that have both opening and closing tags are called as paired tags.

Examples:
        <html>-----------------</html>
        <body>-----------------</body>

Note:The closing tag starts with a forward slash("/")

2. Non-Paired Tags:
The tags that have only opening tags but no closing tags are called as Non-paired tags.
Examples:

 or
   <hr> or <hr/>   <img> or <img/>

1. Empty Tags 2. Self-Closed Tags 3. Forcefully Closed Tags

Structure of html:
<html>
    <head>
        <title>---------</title>
    </head>
    <body>

    </body>
</html>

HTML Elements/Tags
An element consists of three basic parts:
1. Opening tag
2. Element's content
3. Closing tag.

Essential HTML Tags

There are four sets of HTML tags that form the basic structure needed for every HTML file:

1 <html></html>
2 <head></head>
3 <title></title>
4 <body></body>

Definition - <html> </html>

This basically defines the document as web page. All other tags must fall between the html tags.

Header - <head> </head>

The header contains information about the document that will not appear on the actual page, such as the title of the document.

Title - <title> </title>

The title tag defines the title that will appear in the title bar of your web browser. The title must appear between the head tags.

Body - <body> </body>

The body tags contain all the information and other visible content on the page. All your images, links and plain text must go between the <body> and </body> tags.

HTML Tags

HTML tags are element names surrounded by angle brackets:

Syntax:
<tagname>content goes here...</tagname>

NOTE: The start tag is also called the opening tag, and the end tag the closing tag.

HTML editors

There are many software packages available to develop HTML. The software packages can be grouped into two main categories:

1 text-based (or code-based) Editors
2 WYSIWYG (what you see is what you get) Editors

1 text-based (or code-based) Editors

You can create web pages with a basic text editor like Windows Notepad, Unix VI, Linux ViM etc..!!
VI ==> VIsual Editor
ViM ==> Visually Improved Editor

2 WYSIWYG (what you see is what you get) Editors:

There are several popular WYSIWYG editors available:

1 Macromedia Dreamweaver

2 Microsoft FrontPage

3 Adobe Go Live

4 WebStorm

5 PyCharm

6 SublimeText

7 Brackets

8 Edit++, Notepad++

9 ATOM

10 Visual Studio Code

How to Create a WebPage?

Step1: Launch any Text Editor or IDE

Step2: Write Required HTML source code

Step3: Save the file with .htm or .html extension

Step4:Right click on the saved file, open with any Web Browser or Double Click on the saved file.

Example:

```
<html>
<head>
<title>
My First Page
</title>
</head>
<body>
Welcome to HTML World.!!
</body>
</html>
```