

HTML

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What is html

Why html

Features of html

Hardware and software resource for html

Html document

What is HTML?

html stands for hype text markup language which is used for design web page and web applications.

It is the combination of two elements

- 1) Hyper text
- 2) Markup language

Hypertext means the text within the text. It has a link within it called hypertext.

Markup language is markup language used to apply layout decorative txt and pages.

Why HTML?

Html is must for students and working professionals to become software engineer specially those who are working in web development domain.

Some important reasons are:-

- 1) Create website
- 2) Became web designer or website developer.
- 3) To understand the webflow concept.
- 4) To learn other language like JavaScript , PHP or Nodejs.

Features of HTML:-

- 1) It is very simple and easy language to design the webpage.
- 2) Helps to prepare effective presentation.
- 3) With the help of lots of like text , picture , sound , animation , video , background etc.
- 4) Helps to prepare the attractive web document.
- 5) Using markup language easily save the layout and add objects.
- 6) Platform independent
- 7) Allows to add links
- 8) Prepare with audio video and tabular structure.
- 9) It is not case sensitive language.
- 10) It doesn't produce any error message to rectify.
- 11) It allows to design static web page by a single user or multiple users.

HTML versions: -

- 1) HTML 1.0: - it is the first version of html which was derived concepts from SGML(standard generalized markup language in 1991.
- 2) HTML 2.0(1995)
- 3) HTML 3.2(1997)
- 4) HTML 4.0.1(1999)
- 5) HTML 5(2004)

HARDWARE AND SOFTWARE REQUIREMENT OF HTML

***Hardware**

No any additional hardware is require to work with html , any older version processor can be used to run html document.

***Software**

no any advance or additional software are required , only text editor required.(Notepad is enough for beginners and web browser.

HTML DOCUMENT

It is a web document that uses many tags to set html objects and layout. The html tags always enclose with angular bracket i.e

<> tags </>

After completion of tag process it need to close.

Html document always begins with html tag.

Parts of html document: -

Html document has mainly 3 parts or sections

- 1) Title section
- 2) Body
- 3) Head

```
<html>
  <Title></Title>

  <head></head>

  <body></body>
</html>
```

HTM TAGS

html document uses many tags and each tag performs individual working process. All the tags are classified into two types.

- 1) Container tags: - container tags are those tags which has properties values and contains and it need to close. It may be implement with text , picture etc.
- 2) Empty tags: - empty tags are those tags whose has properties and values but do not need to close as they self-closing tags.
 - a) Br tags
 - b) Hr tags

List of tags: -

- 1) Title tag:- this tag is used to give title for a web site or web page.
A web page or website always holds only single title tag.
Title tag can't be placed above of 90 character .

Syntax: - <title>welcome to CGU</title>

- 2) Heading tag: - this tag allows to set headings for a webpage or a website. The headings may be differ by their size.

html 5 provides 6 types of headings:-

- i) H1(larger)
- ii) H2
- iii) H3
- iv) H4
- v) H5
- vi) H6(smaller)

Syntax: -

```
<h1>Hello web developers</h1>
```

The align property having 3 values only left , right and center

Syntax: - <h1 align = center>Welcome to cgu</h2>

- 3) Body tag: -

- i) This tag defines the main section of a webpage or a website
- ii) The body or main section may holds any other tags to design website or webpage.
- iii) Body tag has two different property
 - i) Text:- for text color.
 - ii) Bgcolor :- for background color.
 - iii) Background: - to set any background image

Syntax: - <body>

```
<h2 text = crimson>Welcome to cgu</h2>
```

```
<h2 background = "path">
```

```
</body>
```