

Basics

origin :-

origin is a proprietary computer program for interactive scientific gearing and data analysis.

url :-

url → uniform resources locate and is reference can address) to a resource or the internet

portnumber :

A port number is a way to identify a specific process to which an internet or other network message is to be forwarded when it arrives at a server.

Local host:

In computer networking, localhost is a hostname that refers to the current computer used to access it.

host:-

A network host is a computer or other device connected to a computer network.

hostname :-

In computer networking, a hostname is a label that is assigned to a device connected to a computer network and that is used to identify the device in various forms of electronic communication such as the world wide web.

uri → A uniform Resources Identifier (URI) is a unique

sequence of characters that identifies a logical or physical resource used in web technologies.

HTML

HTML - Hyper Text markup Language

Hyper - Hyper linking of other webpages

Text - Information

markup - Tags.

Tim Berners Lee introduced www in 1989. Internet

is media to open a web browser accessible

anywhere?

Internet is something we access within a range (with).

HTML was invented by Tim Berners Lee in 1991

and released in 1993 (version 1).

version 2 → 1995 version 4 → 1999

version 3 → 1997 version 5 → 2012

stable version v5.0.1 (5-major version, 0-minor version)

→ patch version

what is HTML? HyperText markup language of

HTML stands for HyperText markup language where

is used to design structure of web pages

markup language is used to create web page

and hypertext is used to link the web pages.

HTML describes the structure of web pages.

It is not a Programming language

A markup language specifies the layout and style of a document.

* markup language consist of a set of markup tags.

HTML uses markup tags to describe web Pages.

HTML tags are keywords surrounded by angle brackets like <html>. most HTML normally come in pairs like and .

HTML Tags

1) HTML tags are the keywords on a web Pages

that define how your web browsers must format and display your web Pages. almost all tags contain two parts, an opening , and a closing tag and for example , <html> is the opening tag and </html> is the closing tag.

2) But some HTML tags are unclosed tags

3) An HTML tags must enclosed within angular brackets.

4) Every tags in HTML performs different tags in

Types of tags:-

1) Paired tags

2) unpaired tags.

1) Paired tags

An HTML tag which contains of an opening tag and a closing tag is called as paired tag.

The first tag can be referred as the opening tag.

The second tag can be called closing tag.

They are called as container tags.

Paired tags example → `<div>`, `<p>`, `
`

Paired tags can contain unpaired tag

2) Unpaired tags

An HTML tag which only has opening tag and does not have a closing tag is called as unpaired tag.

The unpaired HTML tags does not required a closing tag.

The unpaired HTML tags is sufficient tag.

These are also called as self closing tags.

empty tags, void element tags

unpaired tags, example → ``, `
`, `<link>`

unpaired tags doesn't having any paired tags.

3) Single tags

HTML Element

An Element is a collection of start tag, attributes, end tag, content between them.

The element usually start with an opening tag which consist the name of the element and it includes where the element begins.

The closing tag includes a forward slash (/) before the element name.

Everything inside the opening and closing is the context.

Note: Some HTML elements have no content like the

empty elements. These elements are called empty elements, self closing elements or void elements. Empty elements do not have an end tag.

HTML Element

Note: ~~tags~~
1) You want design to content you must be content used in Tags.

2) you not defined Tags it means not design (only documentation)

XML → Extensible markup language. (Released in 1996)

XML is a markup language much like HTML.

XML was designed to store and transport data.

XML was designed to be self-descriptive.

XML does not do anything.

maybe it is a little hard to understand, but

XML does not do anything. $\begin{matrix} \text{Ex:} \\ \langle \text{dinesh} \rangle \quad \langle \text{Idinesh} \rangle \\ \langle \text{sekar} \rangle \quad \langle \text{Iskar} \rangle \end{matrix}$

HTML	XML
Hypertext Text markup language	Extensible markup language
HTML is static in nature	XML is dynamic in nature
It is termed as a presentation language.	It is neither termed as a presentation nor a programming language.
HTML is a markup language	XML provides a framework to define markup languages.
HTML can ignore small errors	XML does not allow errors
HTML tags are predefined tags.	XML tags are user-defined tags.
There are limited number of tags in HTML	XML tags are extensible
In HTML, closing tags are not necessary	In XML, closing tags are necessary.

Basic structure of an HTML document

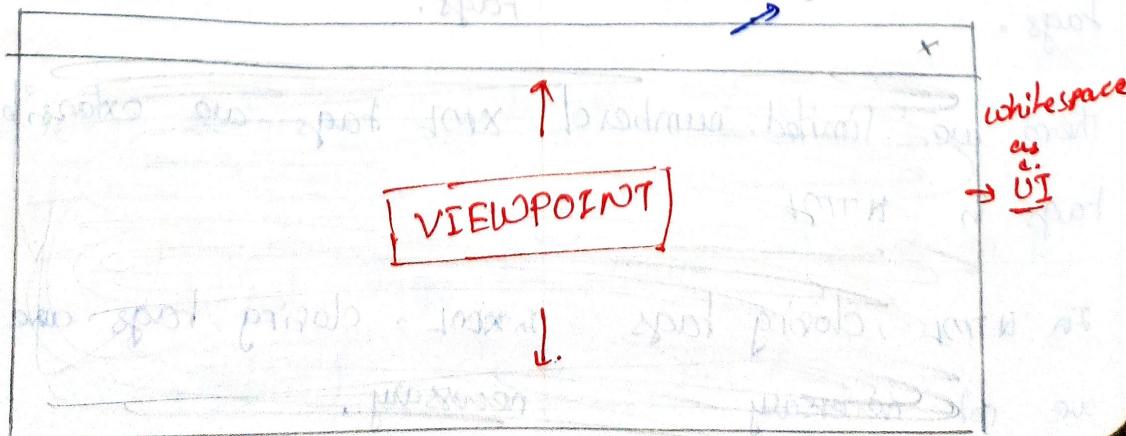
```
<!DOCTYPE HTML>
<html>
  <head>
    <meta charset = "UTF-8">
    <title> Document </title>
  </head>
  <body>
    <h1> Header </h1>
  </body>
</html>
```

root: Before 1994 - 2012 video | audio tags to ~~beeing~~ ~~beeing~~ with the help of (flask library (python)). There are use extra party libraries.

It cannot be control in HTML.

In 2012 → HTML5 → Reheive the all problems on

HTML4.



1) DOCTYPE

DOCTYPE are document type Declaration is an instruction that tells browser about the current version of HTML document.

2) HTML

This tag defines root element of the HTML Document

3) Head

This tag is used to define head portion of the HTML document, that contains information related to the document.

Elements within head tag are invisible on the user interface (UI).

4) Title

Title tag is used to define title for the document.

5) meta

It is used to hold hidden information about the document.

meta tag is return inside head tag. And it is used to specify character set, page description, keywords, viewport setting, search Engine optimization, etc...

SEO → search Engine optimization

The process of improving your website to increase its visibility in Google, Microsoft Bing, and other search engines whenever people search for products you sell.

how to create SEO?

6 steps to doing ~~own~~ your own SEO.

- 1) conduct keyword research. (The first step in any SEO task is to perform keyword research).
- 2) assign keywords to each piece of content.
- 3) develop your on-page SEO
- 4) develop your off-page SEO
- 5) monitor and maintain SEO performance
- 6) stay in the loop on SEO trends and updates.

Ex:

We can use facebook in browser.

To search possibilities.

`https://www.facebook.com`

`www.facebook.com`

`facebook.com`

`facebook.`

`fb`

UTF-8 → unicode Transformation Format - 8 → 8bit

viewport → width = device-width → part sets the width of the page to follow the screen-width of the device. (which will vary depending on the device).

initial-scale = 1.0 → sets the initial zoom level when the page is first loaded by the browser.

Ex

```
<meta charset = "UTF-8">  
<meta name = 'viewport' content = 'width=device-width,  
initial-scale=1.0'>  
<meta name = 'keywords' content = 'https://www.facebook.com/  
SBO' } → .com', www.facebook.com, facebook, fb'>  
<meta name = 'author' content = 'Dinesh'>
```

b) body

Body tag is used to define all visible content on the webpage.

BASIC TAGS

In HTML there are 140 HTML tags available (more approximately).

Basic

h1-h6 → heading tags

p → paragraph tag

div → division tag

img → image tag

a → anchor tag

 break tag.

<!-- --> → comment tag.

h1-h6 tags

These tags are used to define headers on the document.

h1 → h1 is having most preference with default font

size is 32px.

h6 → h6 is having least preference with default

font-size is 10.72px

sp> → this tag is used to define the paragraph in the document.

 → This tag is used to define single line break.

 → This tag is used to define horizontal line.

 → This tag is used to insert an image to the document.

<a> → This tag is used to define hyper link between

the web pages.

what is comment tag in HTML?

The comment is a tag that is not process by web browser or comment tag is the tag that is ignore by the browser.

comment are not display in the browser you can use comments to explain the code which helps when editing the source code.

<!-- comment to be done -->

(student1.html) student1.html (1)

student1.html (2) student1.html (3)

student1.html (4)

student1.html (5) student1.html (6)

student1.html (7) student1.html (8)

student1.html (9) student1.html (10)

student1.html (11) student1.html (12)

student1.html (13) student1.html (14)

<div> Hashes <"emot"> b9 v10

220

& emot #

:bor: 10px

8