

HTML Basics

Day 1:- 27/12/2022

Hyper Text Markup Language

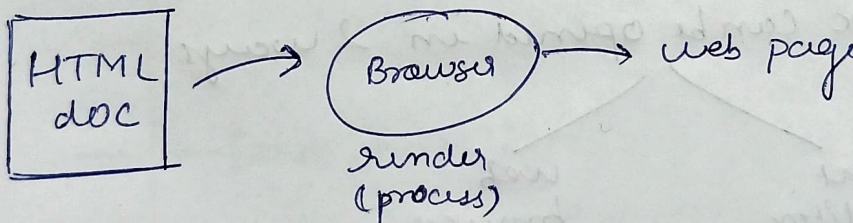
web pages are linked in a website with hyperlink

we will use annotations or tags to show our content.

- defines the structure of web page.
- HTML provides description of web page.
- Basic Building Block of webpage.
- Skeleton of webpage.

[CSS → Formatting / appearance
JS → Functionality]

HTML + CSS + JS → Full Stack application

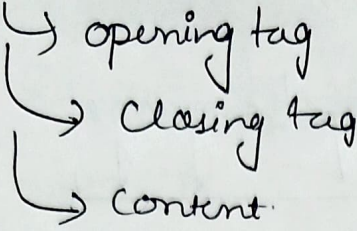


Tag :- Tells Browser, How to Render different elements.

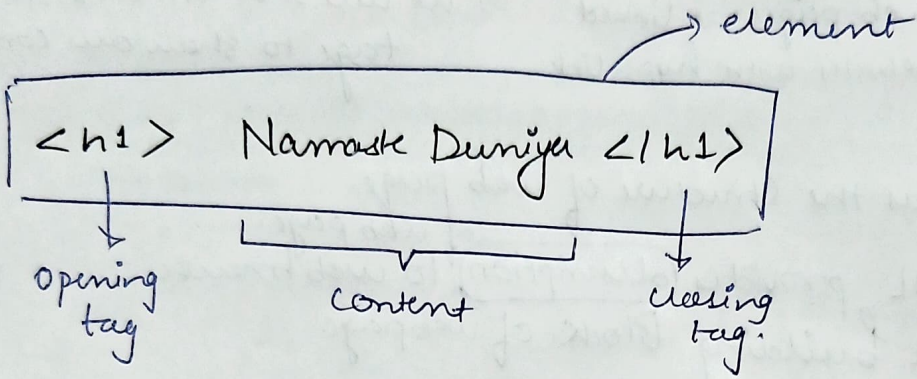
<p>	<h1>		<a>
↓	↓	↓	↓
paragraph	heading	Image	link

100+ html tags exists

Tag



(Tags are not case sensitive)



comment in HTML

<!-- This is comment -->

HTML doc can be opened in 2 ways

Text editor

web browser.

HTML

Text Element :-

Block elements

divides contents of your web page in sections

<p>, <h1>-<h6>

/, <article>

<section>

Inline elements

To differentiate specific part of text

 → emphasize

<a>

<div> tag → container in which we can add tags.
→ can customise this tag.

#* Line break tag

 → adds new empty line

This tag does not have closing tag.

So, it is called Empty / self closing tag.

ex:- br, img, input

,

<input/>

List

Ordered list → in a ordered way.

Unordered list

Description list → (n/w)

Attributes → all html elements can have attributes
→ property of a tag
→ additional information of html element

↑
property of img tag.

<div id = "Turwash" >

↑
property of div tag.

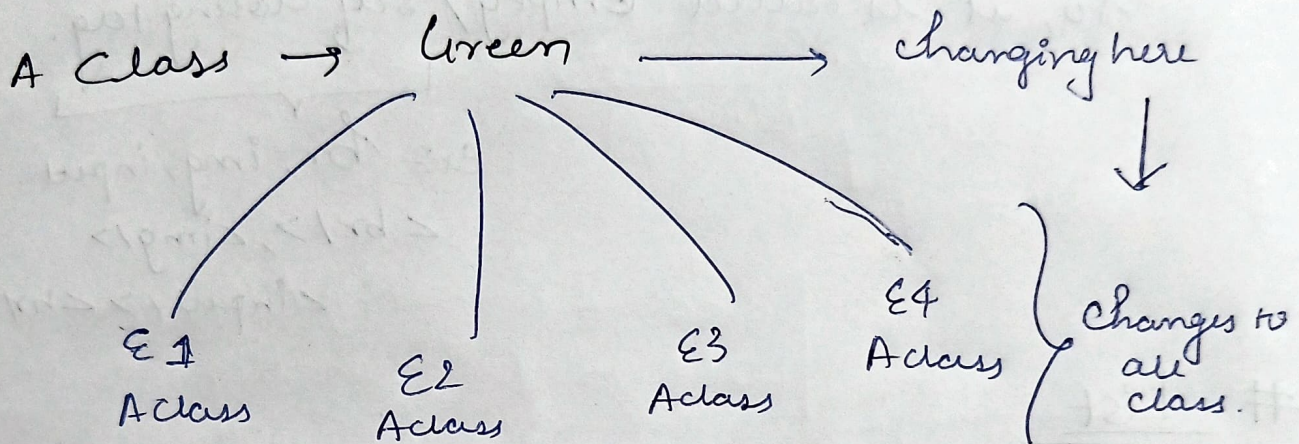
↑ ↑
attribute value

Any exception for Attributes?

Attributes

Uses

id → all element
class → all element
src → Only on img tag
href → a tag.



H/W → what happens when we close an empty tag?

! → enter

For boilerplate
code of HTML
in vs code

Beiluplate Explanation

① `<!DOCTYPE html>`

↳ tells browser about the version of html document i.e. (HTML5)

② `<html lang="en">`

↳ whole web page content is in English language.

(en - IN for Indian english)

③ `<head>` `</head>`

↳ contains metadata of HTML doc

- + title
- + viewport
- + style
- + script
- + charset

metadata → Data about Data.

Logo in website is called Favicon

④ `<body>` `</body>`

↳ actual content is inside this tag.
→ every data of web page.

⑤ `<meta tags>` tag. → ^{gives for} developer point of view

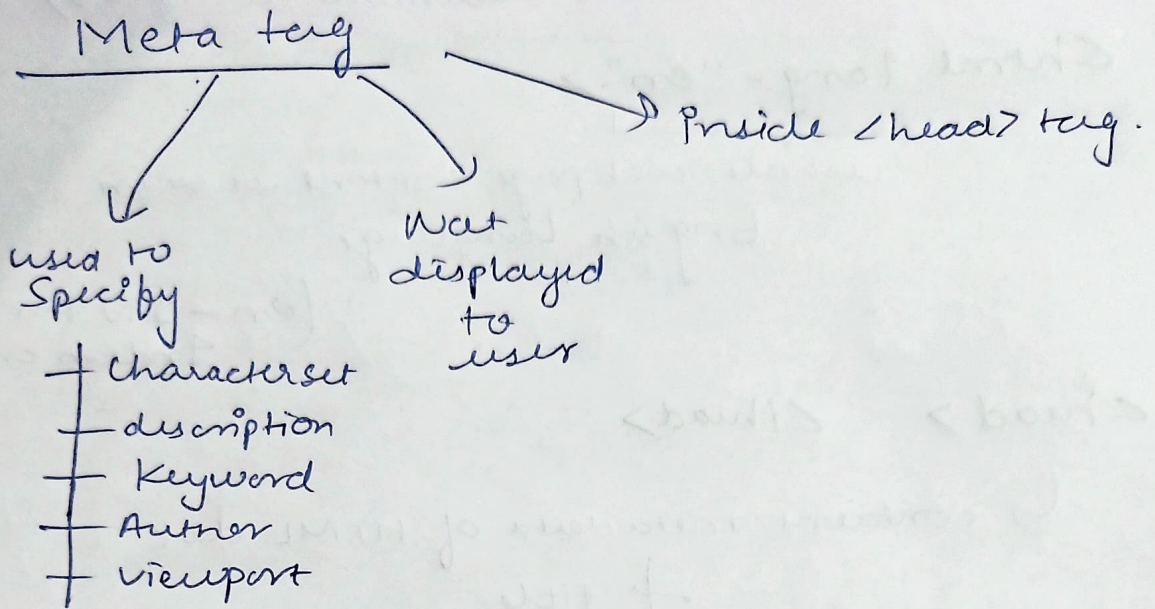
↳ information is stored about the web page.

`<meta name="description" content="xyz">`

↓
description of website.

✓ Meta tag used in SEO

↓
Search engine optimization.



⑥ <meta charset = "utf-8" >

↓
type of Character encoding

90% web page uses utf-8
So, utf-8 is Standard.

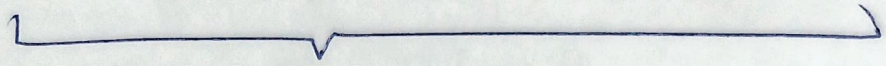
⑦ <meta name = "viewport" Content = "width = device-width", "initial-scale = 1.0";

- display area of your screen is viewport
- width of device using
- controls the zoom level when page is first loaded

⑧ <title> Document </title>

↑ written on the top bar of the web browser

(9) `<meta http-equiv="X-UA-Compatible"
content="IE-edge">`



Line added by
microsoft and VS code
it is just for compatibility
Nothing else.