

HTML Basics - I

Hyper text Markup language

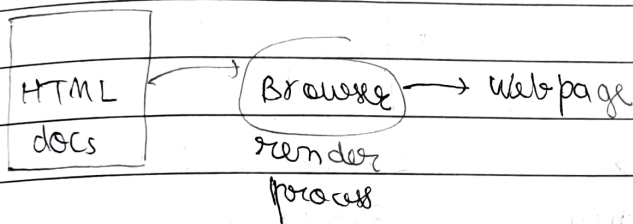
Web page are linked in a website with hyperlink

We will use annotations or tags to show our content

- define the structure of web pages
- HTML provide description of web pages to web browser.
- Basic Building block of webpage
- skeleton of webpage

CSS → formatting (appearance)
 JS → functionality

HTML + CSS + JS → Full stack application



render :- Machine language convert human readable (load/show) formatting

Tag: Tell browser, How to render different elements

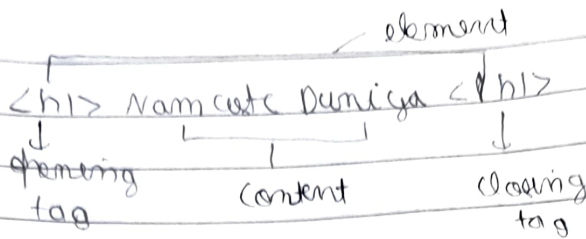
<p>	<h1>		<a>
↓	↓	↓	↓
paragraph	heading	image	link

100+ html tags exists

Tag

- opening tag
- closing tag
- content

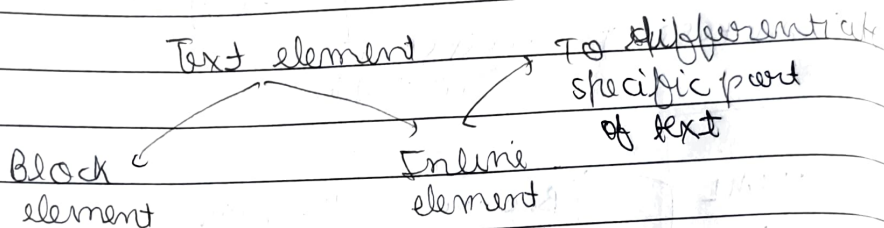
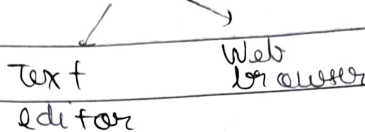
(Tags are not case sensitive)



Comment in HTML

<!-- This is comment -->

HTML doc can be opened in 3 ways



<p>, <h1>-<h6> → emphasize
 /, article
 <a>

<div> tag → division / generic container tag

- contains 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

Eg. br, img, input

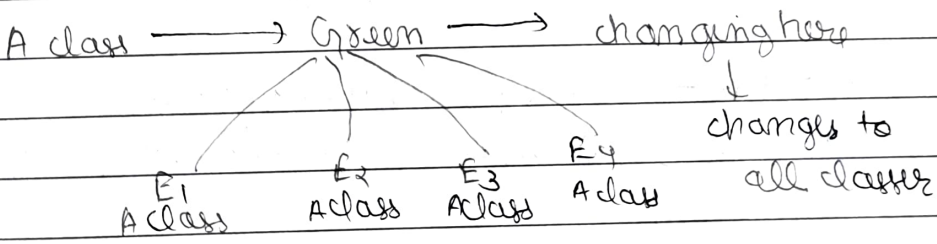
List

- ordered list `` ``
- unordered list `` ``
- description list Eg `<dl>`
`<dt>Cobble </dt>`
`<dd>Black not drunk </dd>`
`</dl>`

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

``
 ↑
 property of img tag
`<div id=" " >`
 ↑
 property of div tag

Attribute uses
 id → all element (Unique)
 class → all element (Same/Unique)
 src → Only on img tag
 href → a tag



H/W → what happens when we → show some error
 close an empty tag? and tag not properly work

! → enter → For boilerplate code of HTML in VS code

Boilerplate Explanation

(i) `<!DOCTYPE html>`

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

(ii) `<html lang="en">`

↳ whole web page content is in English language

(iii) `<head> </head>`

↳ contains metadata of HTML doc

- + title
- + viewport
- + style
- + character set

metadata → Data about data

(iv) `<body> </body>`

↳ actual content is inside this tag

→ every data of web page

(v) `<meta>` tag → developers point of view

↳ information is stored about the web page

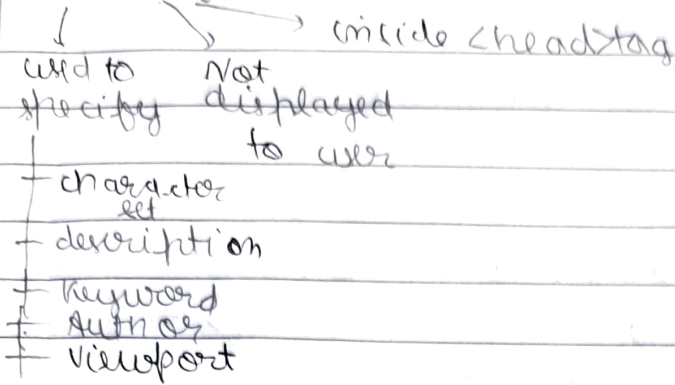
`<meta name="description" content="x y z">`

↓
description of website

Meta tag used in SEO

→ search engine optimization

Meta tag



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

control the zoom level when page first loaded

width of device using

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 VScode it is just for compatibility
Nothing else