

HTML

- Hyper Text Markup Language
- It is a language of the website. It is used to create it.
- • HTML is used for defining layout of a page
 - CSS is used to add styling in the page
 - Javascript is used to program logic for the page.

A Basic HTML

<!DOCTYPE html> → Specifies it is an html5 doc

<html> → root of an HTML page

<head> → contains page metadata

<title> </title> → contains title

</head>

<body> → The main body of the page (rendered in browser)

<h1>... </h1> → heading tag

<h6>... </h6>

<p> </p> → paragraph tag

</body> → closing body tag

</html> → closing html tag

→ We can either use .htm or .html extension.

HTML element = Start tag + Content + End tag

* Comment in HTML

<!-- HTML Comment -->

* Case Sensitivity

→ HTML is a Case insensitive language

→ <H1> & <h1> tags : both are same.

* HTML Element

→ Everything from starting to the ending tag

<body> → opening tag

→ content ←

</body> → closing Tag

* HTML Attributes

→ It is used to add more information corresponding to an HTML tag.

Example : Google

 ↓ ↓
 anchor href
 tag attribute

HTML Tags

- (1) `<html>`, `</html>` → Specifies an HTML doc
- (2) `<head>` → Specifies head section of an HTML document
- (3) `<title>` → It is present in head section. Specifies the title of the web page.
- (4) `<body>` → Specifies the main content of an HTML
- (5) `<div>` → It is short for "division", is a fundamental block-level element used for creating sections or divisions within a webpage.
- (6) `` → Unlike div, span tag does not start on a new line and only takes up as much width as its content requires.
- (7) heading tag → `<h1>`...`<h6>` heading tag is used to mark headings in HTML. from h1 to h6, we have tags ~~from~~^{for} the most important to least important heading.
- (8) Paragraph tag `<p>` → It is used to add paragraph to an HTML page.
- (9) The anchor tag `<a>` - It is used to add link to an existing content inside an HTML page.

10.) tag

→ img tag is used to add images in an HTML page:-

↳ relative url of an image.

11.) Bold, italic & Underline tag

 ...

<i> ... </i>

<u> ... </u>

12.) br tag

The br tag is used to create line breaks in an HTML document.

13.) big & Small tag

→ We can make the text a bit larger & a bit smaller using big & small tags respectively.

14.) hr tag

<hr> tag in HTML is used to create a horizontal ruler often used to separate the content.

15) Subscript & Superscript

We can add subscript & superscripts in HTML as follows:-

`_{` ... `}` → subscript
`^{` ... `}` → superscript.

16) Pre tag

HTML always ignores extra spaces & newlines. In order to display a piece of text as it is, we use pre tag:-

<code><pre></code> Nitin is very good boy. <code></pre></code>	} Output	Nitin is very good boy.
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Web browser

→ Unlike other programming, HTML doesn't show output on the any compiler.

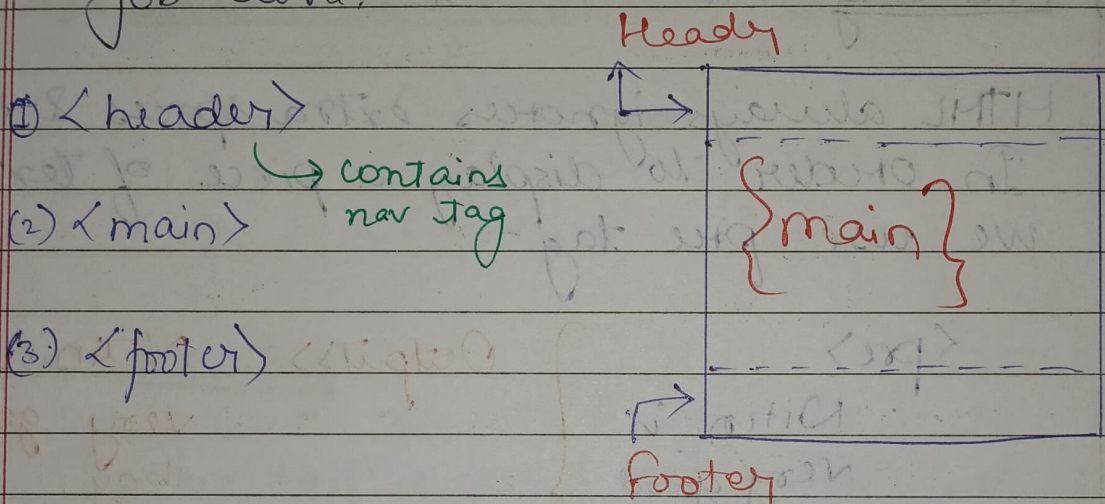
→ Web browser reads HTML files & determine how to show content with help of HTML tags.

→ Any web browser can be used to open a '.html' or '.htm' file & view the results.

Creating a page layout

→ When we use the right tag in right place, it results in a better page layout, better indexing by search engines & better user experience.

→ We use the following tag to get the job done:-



→ Inside the main tag we insert the following tags:-

<main> → The main opening tag

<section> → A self page section

<article> → A self contained content

</main> → The main closing tag

<aside> → content aside from the content
(eg: Ads etc)

→ Creating a page like this is not necessary but it creates a readable & structured layout.

→ Also, they are useful for SEO.

Link attributes

` Contact us `
↳ Contact page will open in same tab.

` Contact us `
↳ Contact page will open in an new tab.

The Div tag

`<div>` tag is often used as a container for another elements `div` is a block level element.
↳ Always takes full width.

The span tag

`` tag is an inline container.
↳ Takes as much width as necessary

Eg: `<div> <p> Hello World! </p> </div>`
` <p> my name is Nitin Chauhan </p> </div>`

