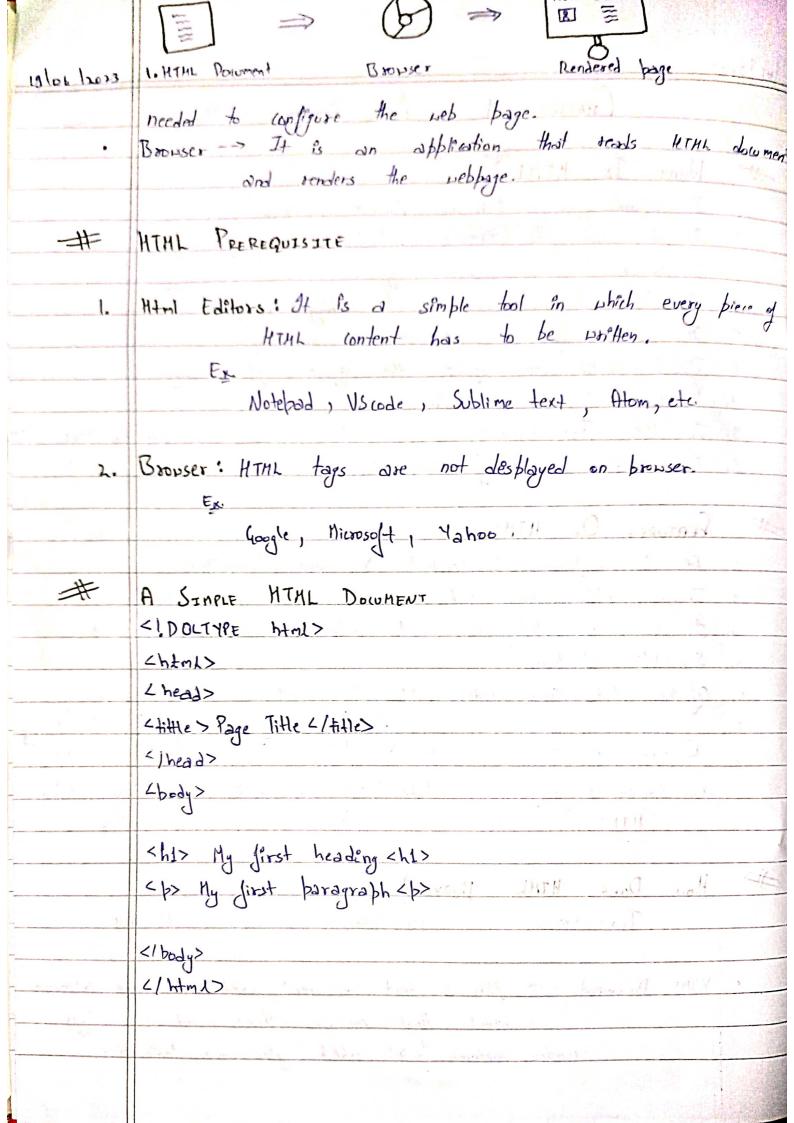# CHAPTER - 1 ALL ABOUT HTML

WHAT IS HTML?

1. It stands for "HYPERTEXT MARKUP LANGUAGE".
2. It is used to create websites.
3. It describes the structure of a web.
4. It tells the browser how to display content.
5. It consits of set of elements and tags.
6. It is used to define the layout of a page.
7. ".html" is its extension.
8. In 1989, TIM BERNERS LEE established www and created HTML in 1991.
9. The stable verson of HTML is HTML 5.

FEATURES OF HTML.

1. It is platform independent, & case insensitive.
2. Images, videos and audio can be added to a web page.
3. It can be integrated with other languages like CSS & JS.
4. Semantic structure.
5. Offline Capabilities (PWA) with Cache API & Service Workers.
6.
7.

Car Skeleton (Only body)	Car Painted or Decora"	Car Engine & logic
HTML	CSS	JS

HOW DOES HTML WORKS?

TEXT EDITOR   WEB BROWSER   OUTPUT

- HTML Documents --> It's a text document saved with the extension .html that contains texts and some tags written between "<>" which give the instruction

1. HTML Document   Browser   Rendered page

needed to configure the web page.
- Browser --> It is an application that reads HTML document and renders the webpage.

HTML PREREQUISITE

1. Html Editors : It is a simple tool in which every piece of HTML content has to be written.

   Ex

   Notepad , VScode , Sublime text , Atom, etc.

2. Browser : HTML tags are not displayed on browser.

   Ex.

   Google , Microsoft , Yahoo.

A SIMPLE HTML DOCUMENT

```
<!DOCTYPE html>
<html>
<head>
<title> Page Title </title>
</head>
<body>

<h1> My first heading <h1>
<p> My first paragraph <p>

</body>
</html>
```

- The `<!DOCTYPE html>` declaration defines that this document is a HTML5 document.
- The `<html>` element is the root element of an HTML page.
- The `<head>` element contains meta information about the HTML p
- The `<title>` element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab).
- The `<body>` element defines the documents body, is a containe for all visible contents, such as heading, paragraph, images, hyper links, tables, lists, etc.
- The `<h1>` element defines the large large headings.

WHAT IS AN HTML ELEMENT?

1. An HTML element is defined by a start tag, some content and an end tag.

    `<tagname>` Content goes here...... `</tagname>`

2. It is everything from start tag to an end tag.

3.

START TAG	ELEMENT CONTENT	END TAG
`<h1>`	My first heading	`</h1>`
`<p>`	This is my paragraph	`</p>`
` `	none	none
`<hr>`	none	none

HTML VIEW SOURCE

Sometimes we want HTML content or view-source of someone website and to view that there is a simple technique which is provided by the windows.

- Go to that website.
- Click the right mouse button.
- Select the option view-page source.
- A new tab with view-source will appear.