

HTML Lesson Notes

What is HTML?

HTML means **HyperText Markup Language**. It is the language that builds the structure of websites.

Think of a house. In America, houses are made of wood. In other countries, people use brick or concrete. Building a house skeleton with wood, brick, or concrete is like HTML. It is the skeleton of a website.

HTML works with all browsers, like Chrome, Safari, Firefox, and Internet Explorer.

HTML vs. Programming Languages

HTML is **not** a programming language. Programming languages are like Java, JavaScript, and Python. We will learn Python later. HTML is only for structure and shape. Python is for the functions of the website.

Tip: If you right-click on any website and choose **Inspect**, you can see the HTML codes.

Visual Studio Code (VS Code)

VS Code is the program (our notebook) where we write our HTML codes. We will add extensions to make coding easier and faster.

- Visual extensions → make the website look nice.
- Functional extensions → improve the website's function.

Useful Buttons in VS Code

- 1 + icon → create a new file
- 2 Magnifier → search files
- 3 Git button → later, for sharing codes
- 4 Extension button → add extra tools

Important Extensions

- 1 Material Theme → change the theme of VS Code
- 2 HTML → for writing HTML codes
- 3 JS JSX Snippets → write faster with shortcuts
- 4 Live Server → see changes on the website live

First Lesson

1. Create a new file.
2. Write ! and press Enter → VS Code will create a basic HTML structure.
3. Save the file with .html.
4. Open it in your browser.

Shortcuts

Copy & Paste line → Alt + Shift + Arrow

Basic Tags

- 1 <h1> → heading (title)
- 2 <p> → paragraph
- 3
 → new line inside paragraph
- 4 <hr> → horizontal line
- 5 or → bold text
- 6 or <i> → italic text