🧰 Installing VS Code & Essential Extensions : By Gagan Baghel

Step 1: Download and Install VS Code

1. Open your browser and search for **"VS Code download."**

2. Go to the official site: https://code.visualstudio.com.

3. Click **Download** for your operating system (Windows, macOS, or Linux).

4. Open the downloaded setup file.

5. Follow the installation wizard and click **Finish** once complete.

Step 2: Set Up Your Project Folder

1. Create a new folder anywhere on your system (e.g., `Web_Projects`).

2. This folder will contain all your HTML, CSS, and JS files.

Step 3: Install Recommended VS Code Extensions

Open VS Code → Click the **Extensions** icon (5th icon on the left sidebar) → Search and install the following:

Extension Name	Purpose
Live Server	Launch your website locally and auto-refresh changes.
Auto Close Tag	Automatically closes HTML tags.
Auto Rename Tag	Updates paired HTML tags simultaneously.
Prettier – Code Formatter	Automatically formats your code for consistency.
HTML CSS Support	Provides autocompletion for HTML and CSS.
Open in Browser	Quickly open files directly in your browser.

Extension Name	Purpose
VS Code Icons	Enhances the file explorer with colorful icons.

🧩 All recommended **VS Code Extensions for full stack Developer :**

Extension Name	Purpose
Live Server	Launch your website locally and auto-refresh changes automatically.
Auto Close Tag	Automatically closes HTML tags while typing.
Auto Rename Tag	Automatically renames the paired HTML tag when you edit one.
Prettier – Code Formatter	Automatically formats HTML, CSS, JS, and React code for consistent style.
HTML CSS Support	Provides autocompletion and hover info for HTML and CSS.
Open in Browser	Quickly opens your HTML files directly in a browser.
VS Code Icons / Material Icon Theme	Enhances the VS Code file explorer with colorful and descriptive icons.
Path Intellisense	Autocompletes file names and paths while linking images, CSS, or JS files.
CSS Peek	Lets you jump directly to CSS definitions or classes used in HTML files.
IntelliSense for CSS Class Names in HTML	Suggests existing CSS class names while typing in HTML.
Error Lens	Highlights code errors and warnings inline for faster debugging.
Code Spell Checker	Detects and highlights spelling mistakes in your code and comments.
Bracket Pair Colorizer 2	Assigns unique colors to matching brackets to improve readability.
Better Comments	Adds color coding and formatting for TODO, NOTE, and WARNING comments.

| Extension Name	Purpose
TODO Highlight / Todo Tree	Highlights and organizes TODO comments in your codebase.
Bookmarks	Allows you to bookmark lines of code to easily navigate between them.
GitLens — Git Supercharged	Shows who changed what in your code and adds rich Git insights.
JavaScript (ES6) Code Snippets	Provides snippets for modern JavaScript syntax and features.
ES7+ React/Redux/React-Native Snippets	Offers quick snippets for React like `rafce` and `useState` imports.
Simple React Snippets	Lightweight extension for React component templates.
Auto Import	Automatically imports missing modules and functions in JavaScript/React.
REST Client	Test API endpoints directly within VS Code (no need for Postman).
Thunder Client	Lightweight, Postman-like extension to test REST APIs easily.
npm Intellisense	Autocompletes npm package names in import statements.
DotENV	Adds syntax highlighting and support for `.env` environment variable files.
MongoDB for VS Code	Connect to and manage your MongoDB database from VS Code.
JSON Viewer	Formats and prettifies JSON files for better readability.
Color Highlight	Displays the actual color next to CSS color codes (like `#ff5733`).
Highlight Matching Tag	Highlights both opening and closing tags when you click one.
Image Preview	Shows image previews when you hover over image file paths.
Indent-Rainbow	Colors indentation levels for cleaner visual structure.
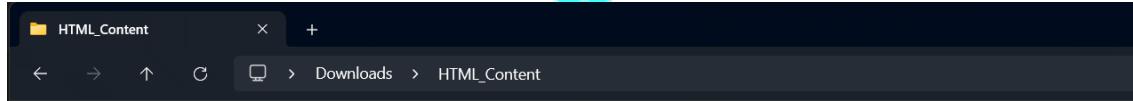
Extension Name	Purpose
W3C Web Validator	Checks and validates HTML/CSS code for standard compliance.

🧱 Working with VS Code
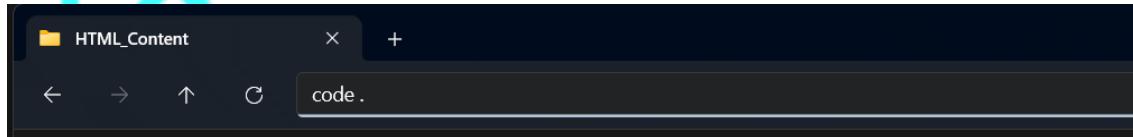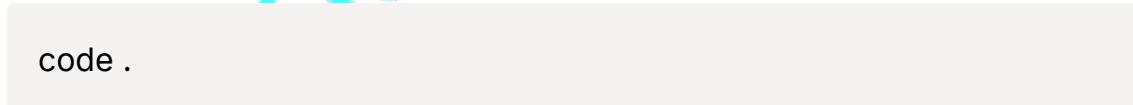
1️⃣ Opening a Folder in VS Code

You can open your project folder in any of the following ways:

- **Option 1:** Right-click your folder → Select **Open with Code**.

- **Option 2:** In VS Code, go to **File → Open Folder → Select your folder**.

- **Option 3 (Command Line):**

  - Open the folder path in File Explorer.

  - Type `cmd` in the address bar → Press Enter.

  - Then type:

```
code .
```


  This opens the folder directly in VS Code.

2️⃣ Creating Your First HTML File

1. Inside VS Code, click the **New File** icon or right-click in the Explorer pane → Select **New File**.

2. Name the file:

> index.html

3. Type ! and press **Enter** — VS Code will automatically generate a basic HTML structure.