VS CODE

VS Code extensions are additional tools that expand the capabilities of Visual Studio Code (VS Code). They enable developers to integrate features like syntax highlighting, debugging support, and automatic code formatting, among others.

These extensions, available in the VS Code Marketplace, help enhance coding efficiency, language compatibility, and overall development experience by streamlining workflows and improving productivity.

VSCode Extensions for Web Development:

1. Prettier : Prettier is a useful tool that automatically formats your code using opinionated and customizable rules. It ensures that all your code has a consistent format and can help enforce a specific styling convention in a collaborative project involving multiple developers

Step 1: Launch VS Code

Before getting started, ensure **Visual Studio Code (VS Code)** is installed on your computer.

Step 2: Add the Prettier Extension

1. Open **VS Code**.
2. Click on the **Extensions** icon in the left sidebar, or use the shortcut:
    - **Windows:** Ctrl + Shift + X

    - **Mac:** Cmd + Shift + X

3. In the search bar, type **Prettier - Code formatter**.
4. Click **Install** to add the extension.

Step 3: Set Prettier as the Default Formatter

1. Open **Settings** in VS Code:
    - Click on the **gear icon** ⚙️ in the bottom-left corner.
    - OR use the shortcut:
        - **Windows:** Ctrl +
        - **Mac:** Cmd +
2. Search for **"Default Formatter"** in the settings bar.
3. Select **Prettier - Code formatter** from the dropdown list.

Step 4: Enable Automatic Formatting on Save

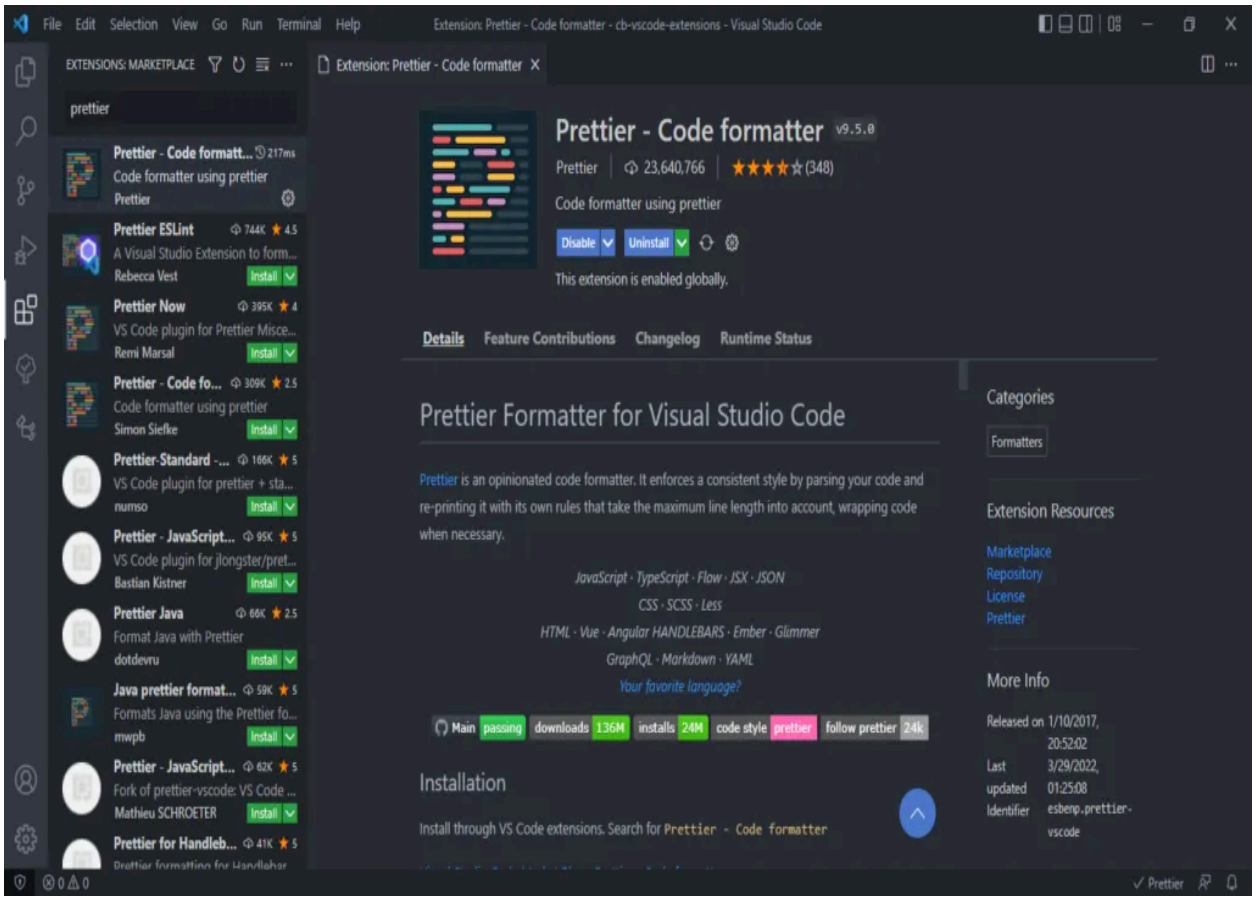
1. In **Settings**, search for **"Format On Save"**.
2. Enable it by **checking the box**
3. From now on, Prettier will automatically format your code whenever you save a file.

Step 5: Manually Format Your Code (If Needed)

If Prettier doesn't auto-format, you can do it manually:

- **Windows:** Press Shift + Alt + F
- **Mac:** Press Shift + Option + F

- OR **Right-click** anywhere in the code and select **"Format Document"**.



2. Live Server :

Live Server The Live Server extension for VSCode starts a local server that serves pages using the contents of files in the workspace. The server will automatically reload when an associated file is changed.

Step 1: Launch VS Code

Ensure that **Visual Studio Code (VS Code)** is installed on your system.

Step 2: Add the Live Server Extension

1. Open **VS Code**.
2. Click on the **Extensions** icon on the left panel OR use the shortcut:
    - **Windows:** Ctrl + Shift + X
    - **Mac:** Cmd + Shift + X
3. In the search box, type **Live Server**.
4. Click **Install** to add it to VS Code.

Step 3: Open an HTML File

1. Navigate to the **folder** where your HTML file is stored.
2. Open any **HTML file** in VS Code that you want to preview.

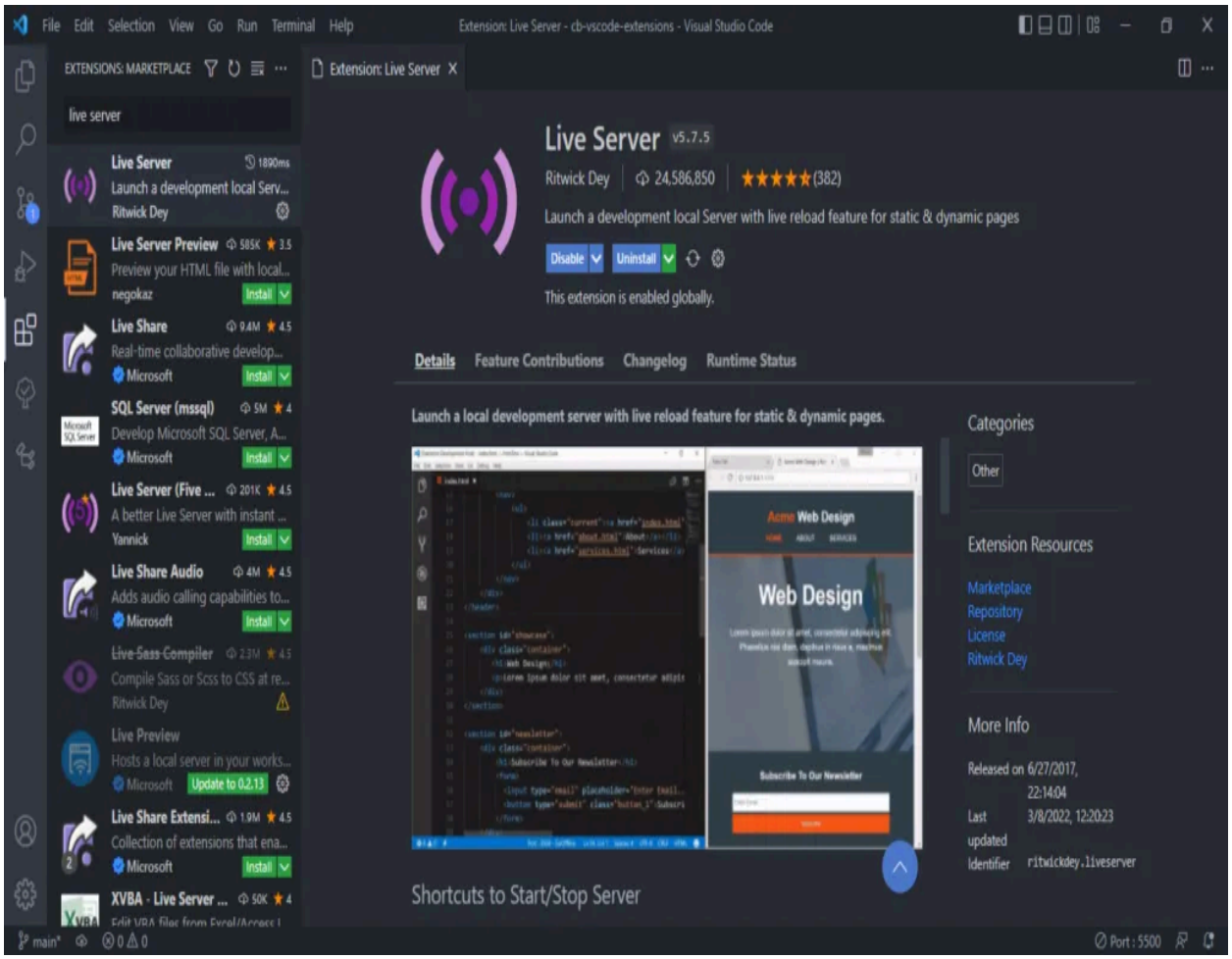
Step 4: Run Live Server

1. **Right-click** inside your **HTML file**.
2. Choose **"Open with Live Server"** from the menu.
3. Your web page will open in your **default web browser**.

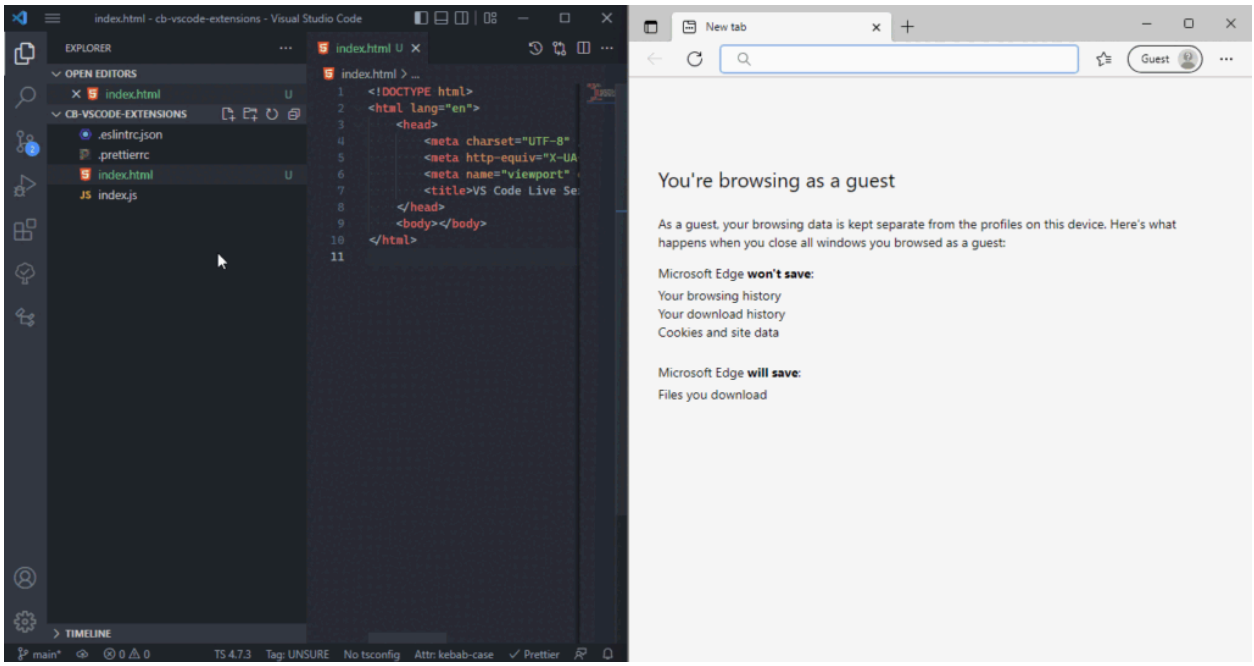
Step 5: Edit & See Live Changes

1. Modify your **HTML, CSS, or JavaScript** file.
2. **Save the file** (Ctrl + S / Cmd + S)

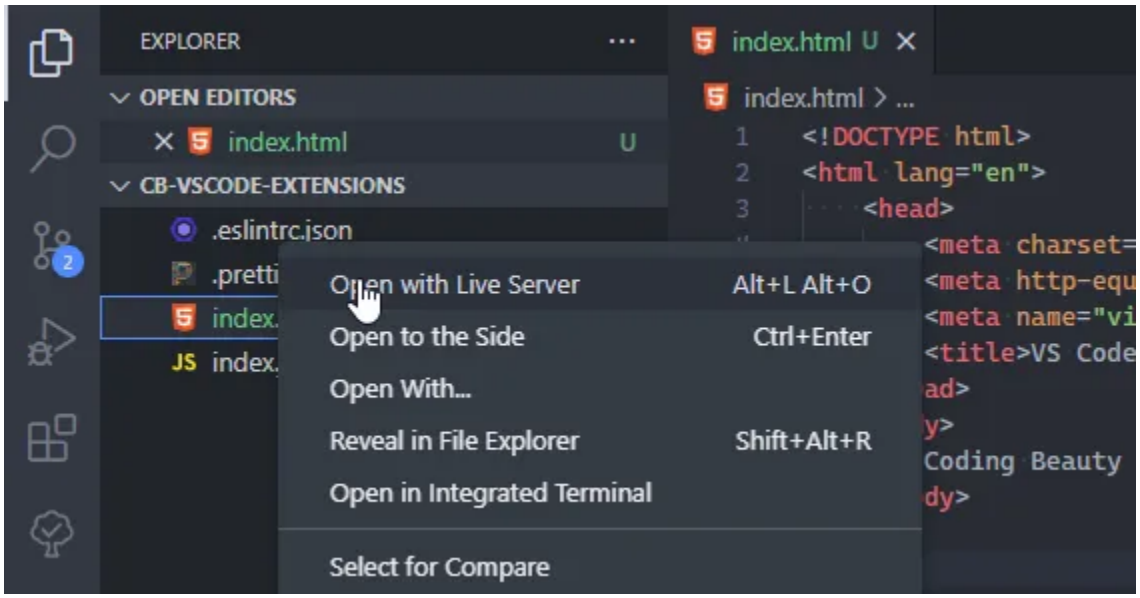
3. Your browser will **automatically refresh** to show the updates!



In the demo below, a new server is launched quickly to display the contents of the index.html file. Modifying index.html and saving the file reloads the server instantly. This saves you from having to manually reload the page in the browser every time you make a change.



As you saw in the demo, you can easily launch a new server using the Open with Live Server item in the right-click context menu for a file in the VSCode Explorer



3. Live Preview:

Live Preview in Visual Studio Code (VS Code) is a feature that allows you to see your web page in real-time as you write HTML, CSS, and JavaScript. It helps you preview your website without needing to refresh the browser manually.

Why Use Live Preview?

Instant Updates – See changes immediately as you code.
No Need to Refresh – Saves time by automatically updating the preview.
Works Without a Server – No extra setup required for simple HTML files.

Open VS Code:

- Launch the Visual Studio Code application on your computer.

Access the Extensions Marketplace:

- Click on the Extensions icon in the Activity Bar on the side of the window.
- Alternatively, press Ctrl+Shift+X (Windows) or Cmd+Shift+X (Mac) to open the Extensions view.

Search for the Live Preview Extension:

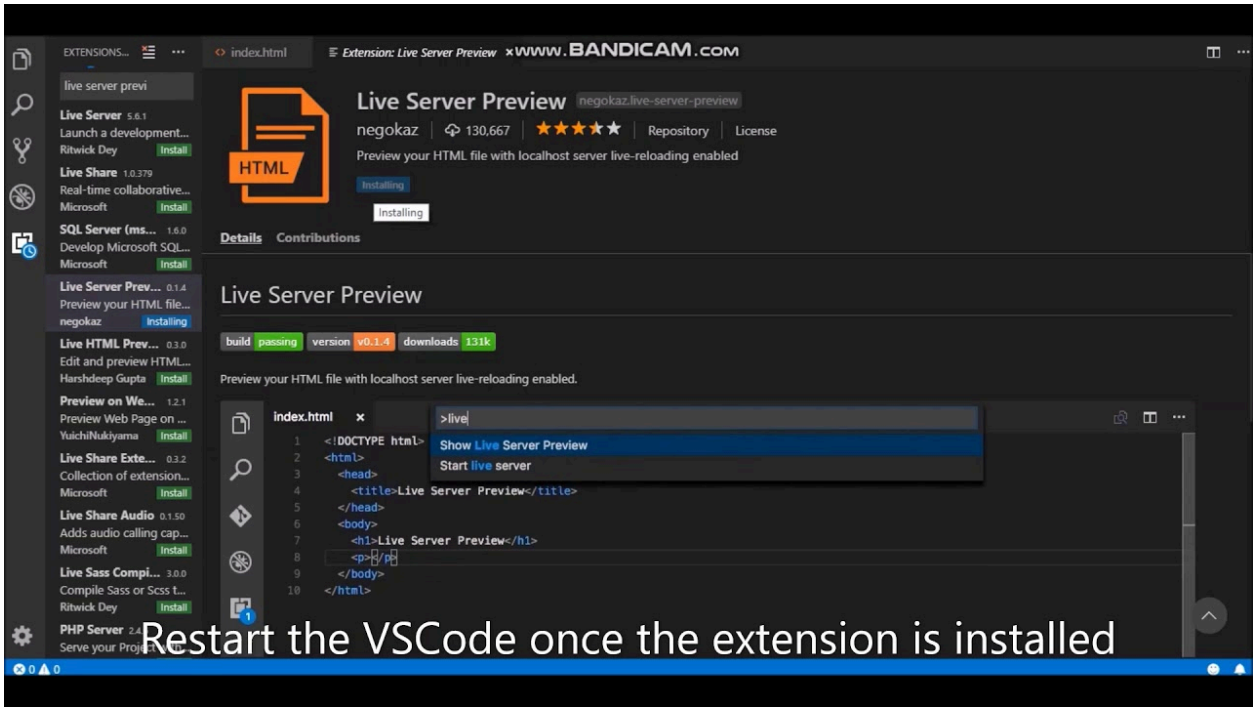
- In the search bar at the top of the Extensions view, type "Live Preview".
- Look for the extension named **Live Preview** by Microsoft.

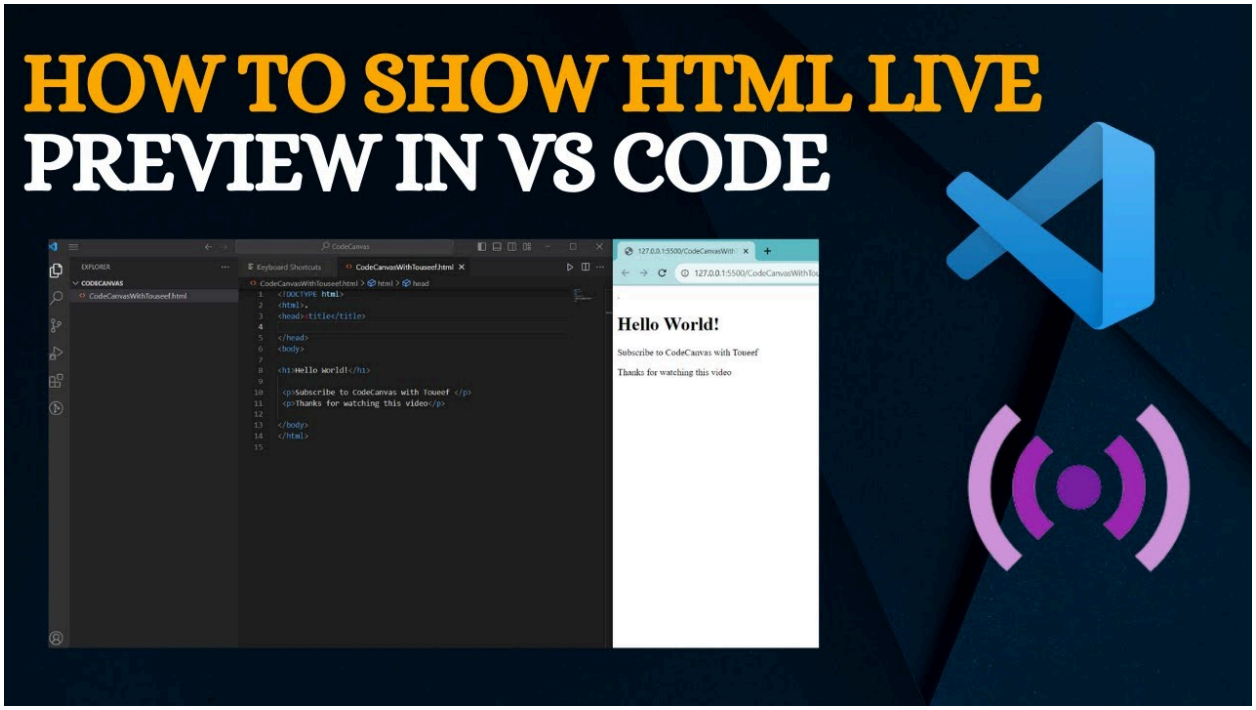
Install the Extension:

- Click the **Install** button for the Live Preview extension.
- Once installed, you may need to **reload** or **restart** VS Code to activate the extension.

Use Live Preview:

- Open an HTML file you wish to preview.
- Click on the **Go Live** button typically found at the bottom-right corner of the status bar.Stack Overflow
- A new browser window or tab will open, displaying your HTML file. Any changes saved in VS Code will automatically reflect in the browser.





4.CSS Peek:

The CSS Peek Extension lets you quickly view the CSS style definitions for various class names and IDs assigned in HTML

Step 1: Launch VS Code

Ensure Visual Studio Code (VS Code) is installed and open on your system.

Step 2: Access the Extensions Panel

- Click on the Extensions icon in the left toolbar.
- Or use these shortcuts:

Windows**:** Ctrl + Shift + X

Mac**:** Cmd + Shift + X

Step 3: Find "CSS Peek"

- In the search bar, type CSS Peek.
- Look for the extension by Pranay Prakash.

Step 4: Install the Extension

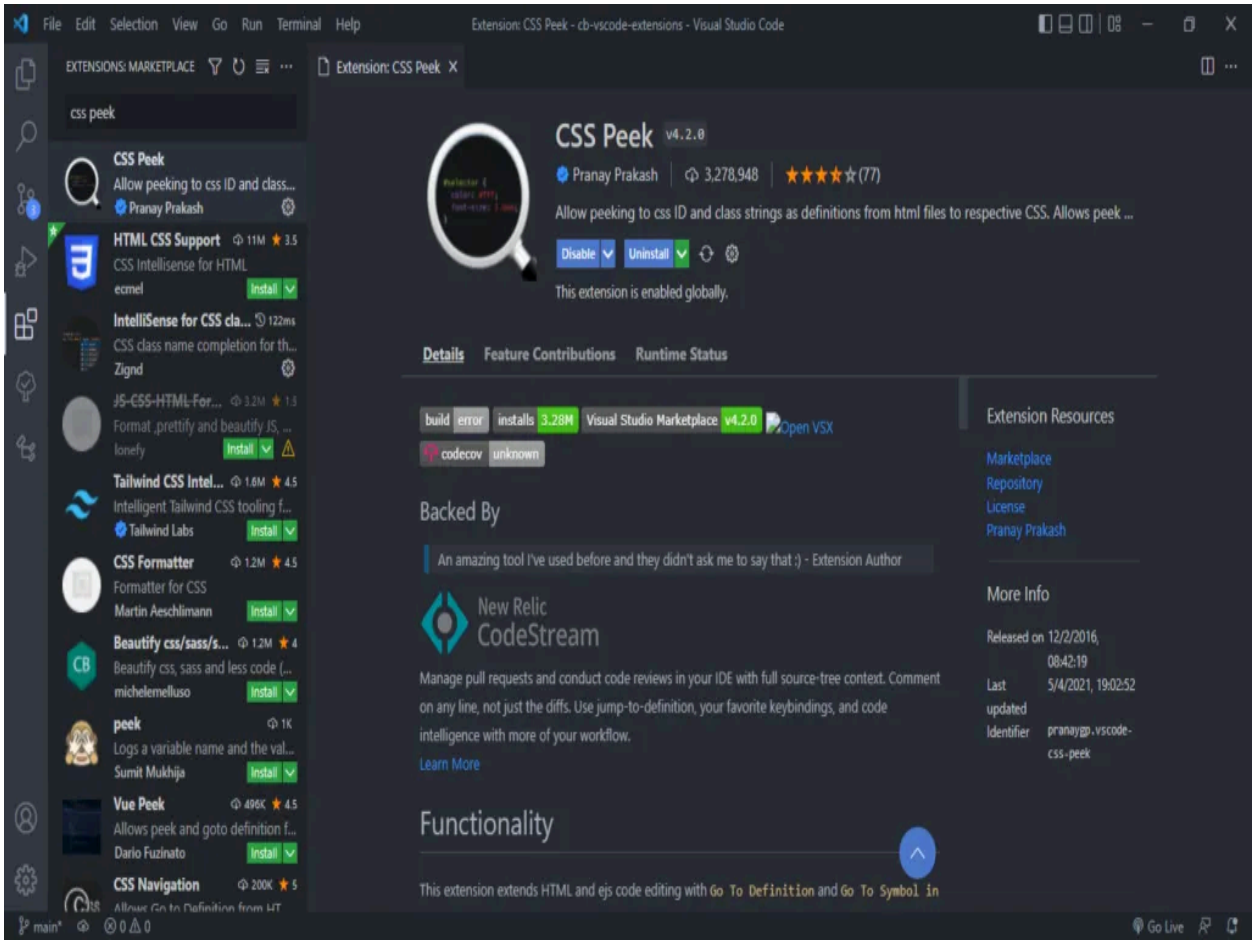
- Click the Install button next to CSS Peek.
- Wait for the process to finish.

Step 5: Restart VS Code (If Needed)

If the extension isn’t working right away, restart VS Code to activate it.

Step 6: How to Use CSS Peek

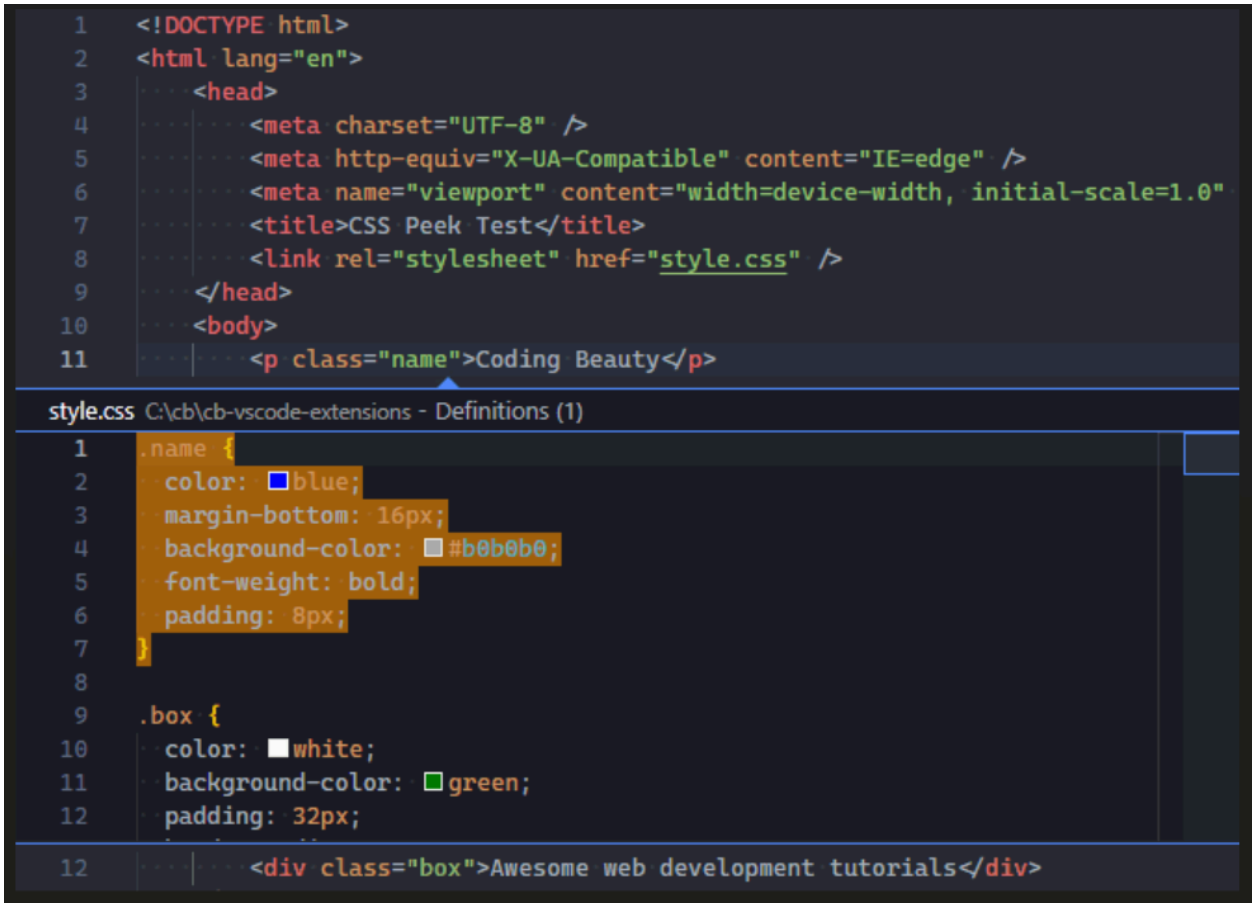
- Open an HTML file.
- Hover over a CSS class or ID to instantly locate its definition in your stylesheets!



There are three ways to use CSS Peek:

- You can hold down the `Ctrl` key and hover over a class name or ID to peek at its definition.
- You can use a keyboard shortcut to open a persistent definition window that displays the CSS definition of a class name or ID.
- You can use a keyboard shortcut to navigate to where the definition is located in its CSS file.

Here is a demonstration of all these methods:



5. IntelliSense for CSS Class Names in HTML:

This extension can work hand in hand with CSS Peek, it provides code completion for the HTML `class` attribute from existing CSS definitions found in the current Visual Studio Code workspace.

Step 1: Open VS Code

Make sure Visual Studio Code (VS Code) is installed and running on your computer.

Step 2: Open Extensions Panel

Click on the Extensions icon in the left sidebar.

Or use the shortcut:

Windows: Ctrl + Shift + X

Mac: Cmd + Shift + X

Step 3: Search for "IntelliSense for CSS Class Names in HTML"

In the search bar, type IntelliSense for CSS Class Names in HTML.

Look for the extension by Zignd.

Step 4: Install the Extension

Click the Install button.

Wait for the installation to complete.

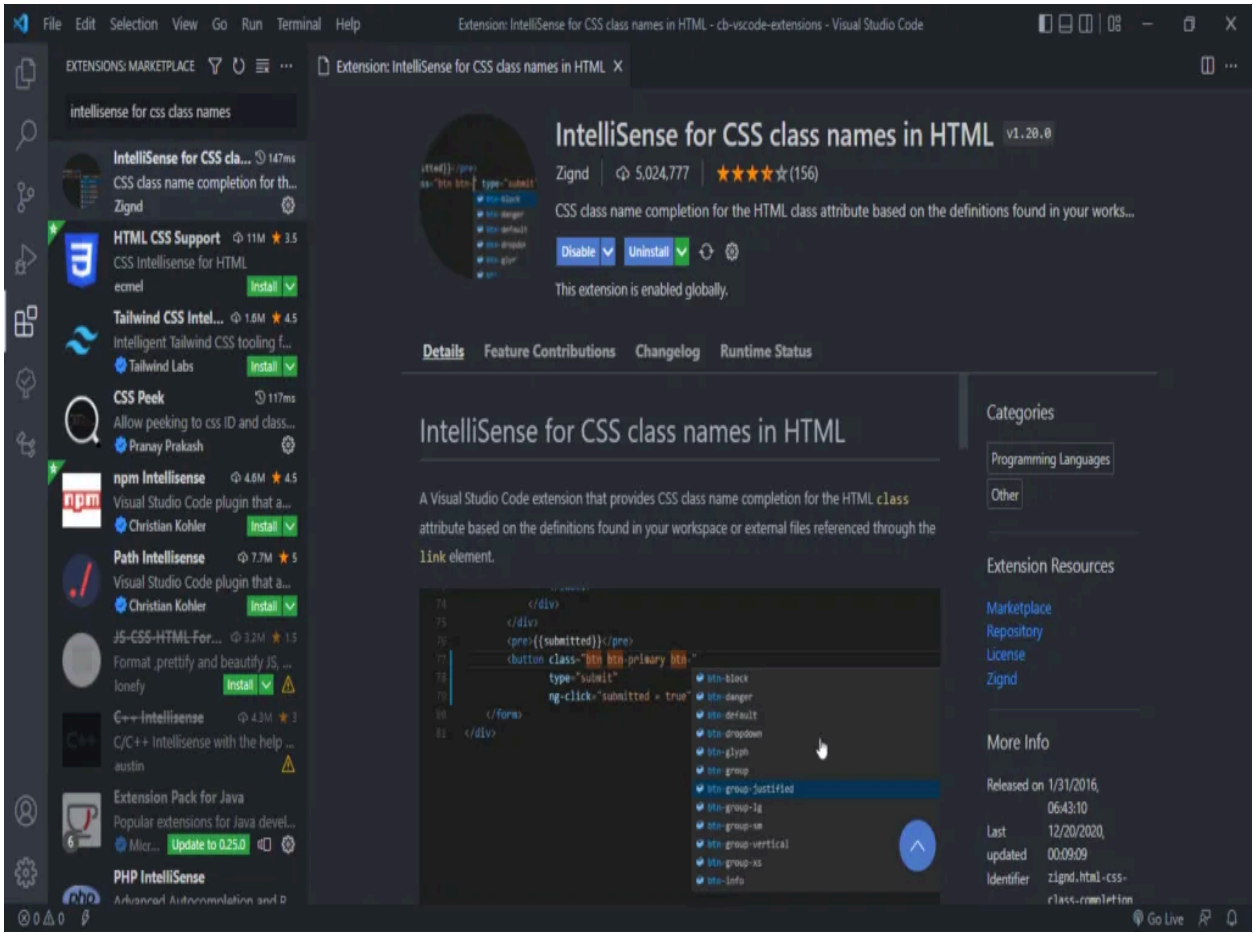
Step 5: Restart VS Code (If Needed)

If the extension isn’t working right away, restart VS Code.

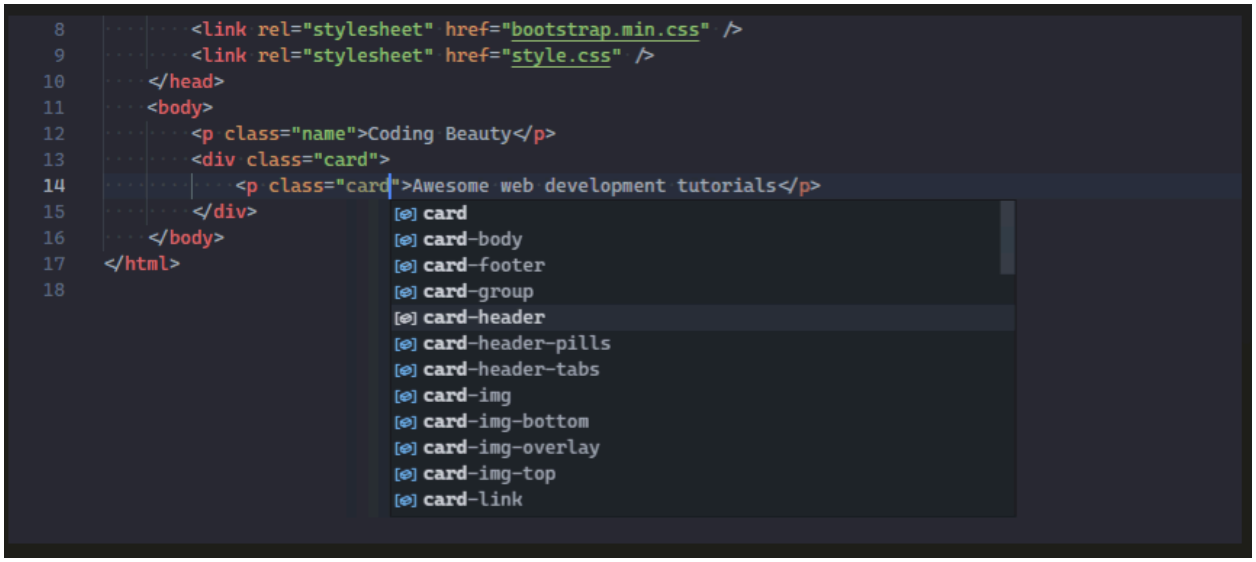
Step 6: How to Use It

Open an HTML file.

Start typing a class="" attribute, and you’ll see auto-suggestions from your linked CSS files



You'll appreciate the benefits of this extension when using third-party CSS libraries containing hundreds of classes.



6. JavaScript (ES6) Code Snippets:

JavaScript (ES6) Code Snippets As the name suggests, this is an extension that comes fully loaded with heaps of time-saving code snippets for JavaScript, in ES6 syntax.

Step 1: Open VS Code

Make sure Visual Studio Code (VS Code) is installed on your computer.

Step 2: Open Extensions Panel

Click on the Extensions icon in the left sidebar.
Or use the shortcut:
Windows: Ctrl + Shift + X
Mac: Cmd + Shift + X

Step 3: Search for "JavaScript (ES6) Code Snippets"
In the search bar, type JavaScript (ES6) Code Snippets.

Step 4: Install the Extension

Click the Install button.
Wait for the installation to complete.

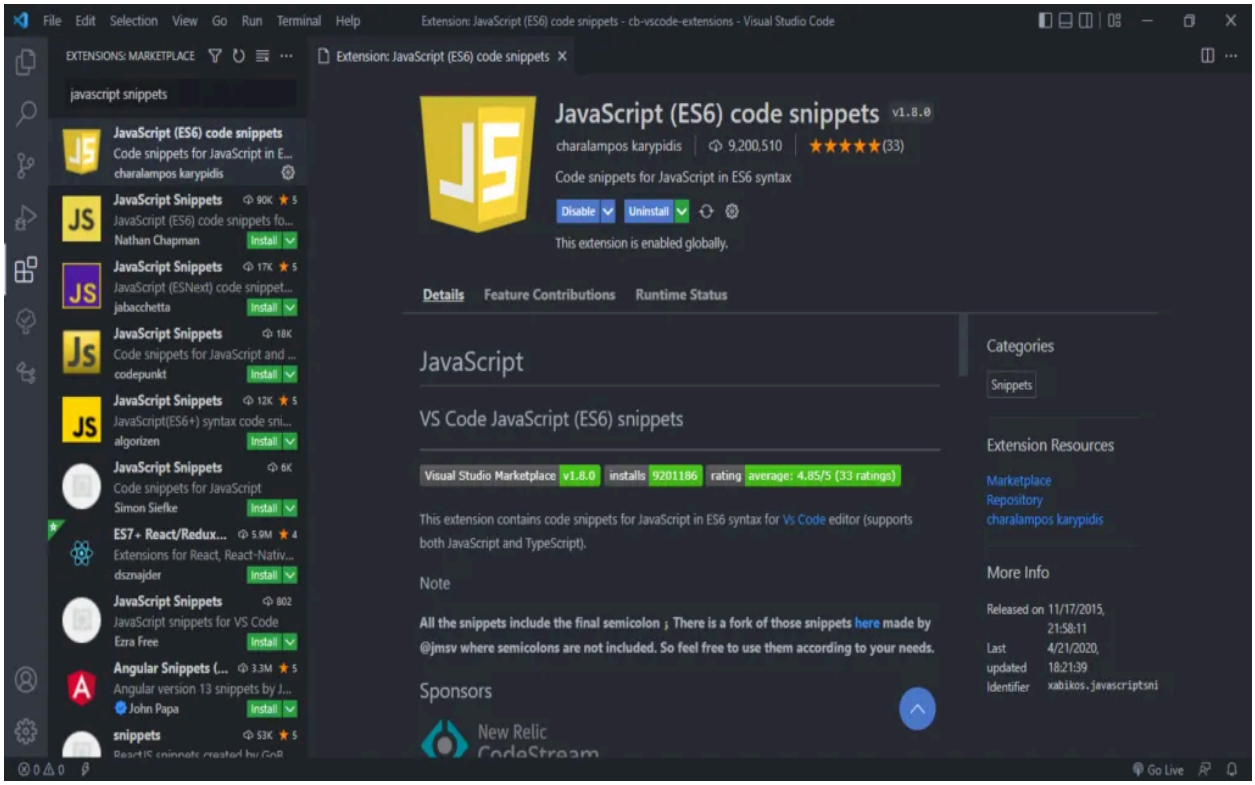
Step 5: Restart VS Code (If Needed)

If the extension isn’t working right away, restart VS Code.

Step 6: How to Use It

Open a JavaScript file (.js).

Start typing common JavaScript functions like clg for console.log() and press Tab to auto-complete the snippet!



7. Auto Rename Tag:

Auto Rename Tag is a powerful Visual Studio Code (VS Code) extension designed to improve productivity in web development. It automatically updates the closing tag when the opening tag is modified in HTML, XML, JSX, and other markup languages.

Step 1: Open VS Code

Make sure Visual Studio Code is installed on your computer, then launch the application.

Step 2: Navigate to Extensions

- Click on the Extensions icon in the left sidebar.

- Alternatively, use the shortcut:
    - Windows: Ctrl + Shift + X
    - Mac: Cmd + Shift + X

Step 3: Find the Auto Rename Tag Extension

- In the search bar at the top of the Extensions panel, type "Auto Rename Tag".
- Locate the extension with high ratings and reviews, ensuring it's a trusted option.

Step 4: Install the Extension

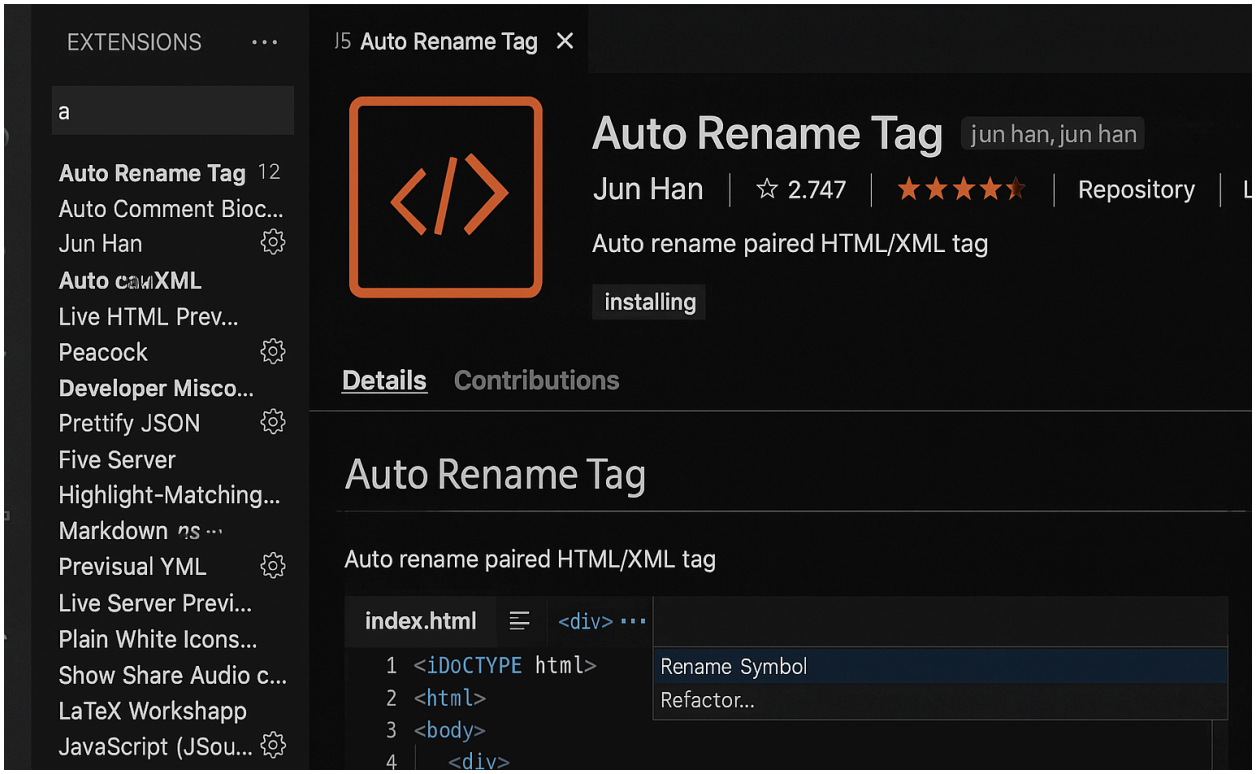
- Click the Install button next to the extension.
- Allow some time for the installation to complete.

Step 5: Restart VS Code (If Needed)

- In some cases, you may need to close and reopen VS Code for the extension to function properly.

Step 6: Test the Extension

- Open an HTML or XML file.
- Modify the opening tag of any element, and the closing tag should update automatically, confirming that the extension is working correctly.


EXTENSIONS
a
Auto Rename Tag 12
Auto Comment Bloc...
Jun Han
Auto ca XML
Live HTML Prev...
Peacock
Developer Misco...
Prettify JSON
Five Server
Highlight-Matching...
Markdown ns
Previsual YML
Live Server Previ...
Plain White Icons...
Show Share Audio c...
LaTeX Workshapp
JavaScript (JSou...
J5 Auto Rename Tag
Auto Rename Tag
jun han, jun han
Jun Han
2.747
Repository
Auto rename paired HTML/XML tag
installing
Details
Contributions
Auto Rename Tag
Auto rename paired HTML/XML tag
index.html

1 <iDoCTYPE html>
2 <html>
3 <body>
4
Rename Symbol
Refactor...