

# Building a JavaScript Development Environment

## Installing an Integrated Development Environment



**Kamran Ayub**

Helping developers get started with JavaScript

[www.linkedin.com/in/kamranayub](https://www.linkedin.com/in/kamranayub)

# **Building a JavaScript Development Environment**

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**Version Check**



# Version Check



**This course was created by using:**

- Node.js v20.12.1 (LTS)
- npm v10.5.0
- Visual Studio Code 1.88 (March 2024)



## Version Check



**This course is 100% applicable to:**

- Node.js v16+
- npm v8+
- Any version of Visual Studio Code



# IDE

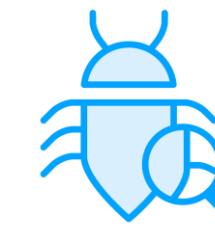
An "Integrated Development Environment" is like a fancy text editor that understands how your whole application fits together and "integrates" tools together in one interface. It makes it easier to manage your application like a project.



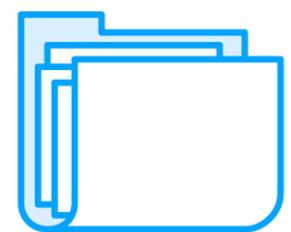
# Key Features of an IDE



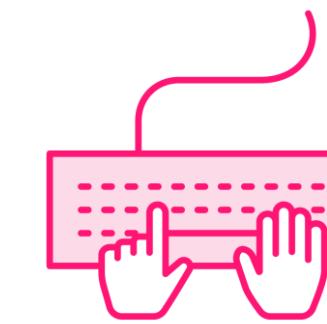
**Contextual coding help  
(e.g. autocomplete)**



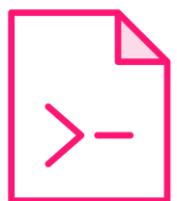
**Debugging capabilities and  
features to run your  
project**



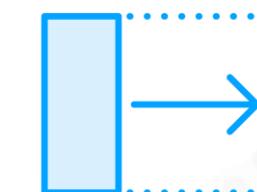
**File management and  
source control features**



**Customizable working  
environment like themes,  
hotkeys, and layouts**



**Integrated tooling like  
different coding language  
support**



**Add additional  
functionality with  
extensions**



# Visual Studio Code

## Code editing. Redefined.

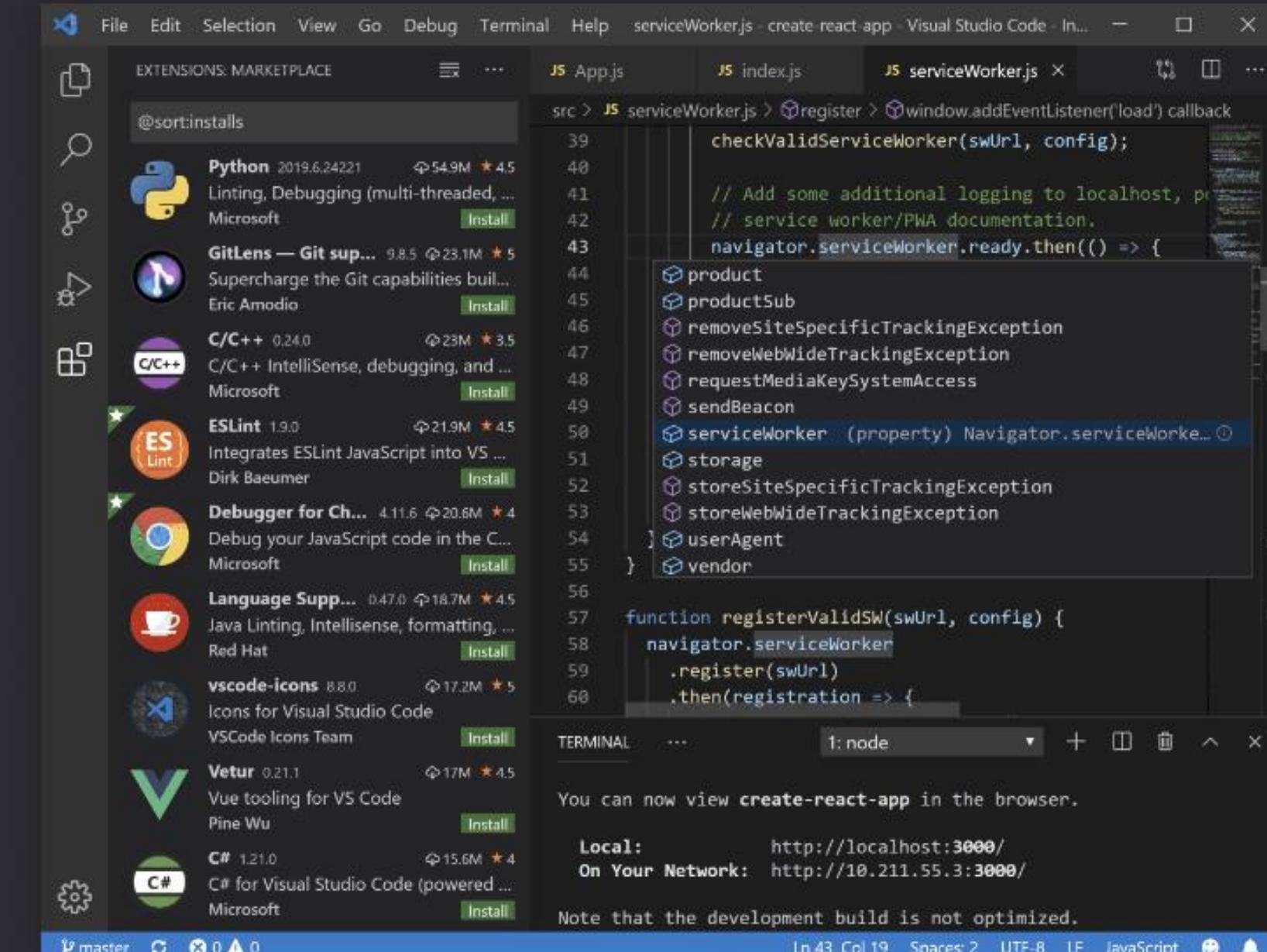
Free. Built on open source. Runs everywhere.

[Download for Windows](#)

Stable Build

Web, Insiders edition, or other platforms

By using VS Code, you agree to its  
[license and privacy statement](#).



IntelliSense



Run and Debug



Built-in Git



Extensions

# Visual Studio (Full)

## Meet the Visual Studio family



Visual Studio |

The most comprehensive IDE for .NET and C++ developers on Windows. Fully packed with a sweet array of tools and features to elevate and enhance every stage of software development.

[Learn more →](#)

[Download Visual Studio ▾](#)

ⓘ Wondering which tool is best for you? We can help.



Visual Studio Code |

A standalone source code editor that runs on Windows, macOS, and Linux. The top pick for JavaScript and web developers, with extensions to support just about any programming language.

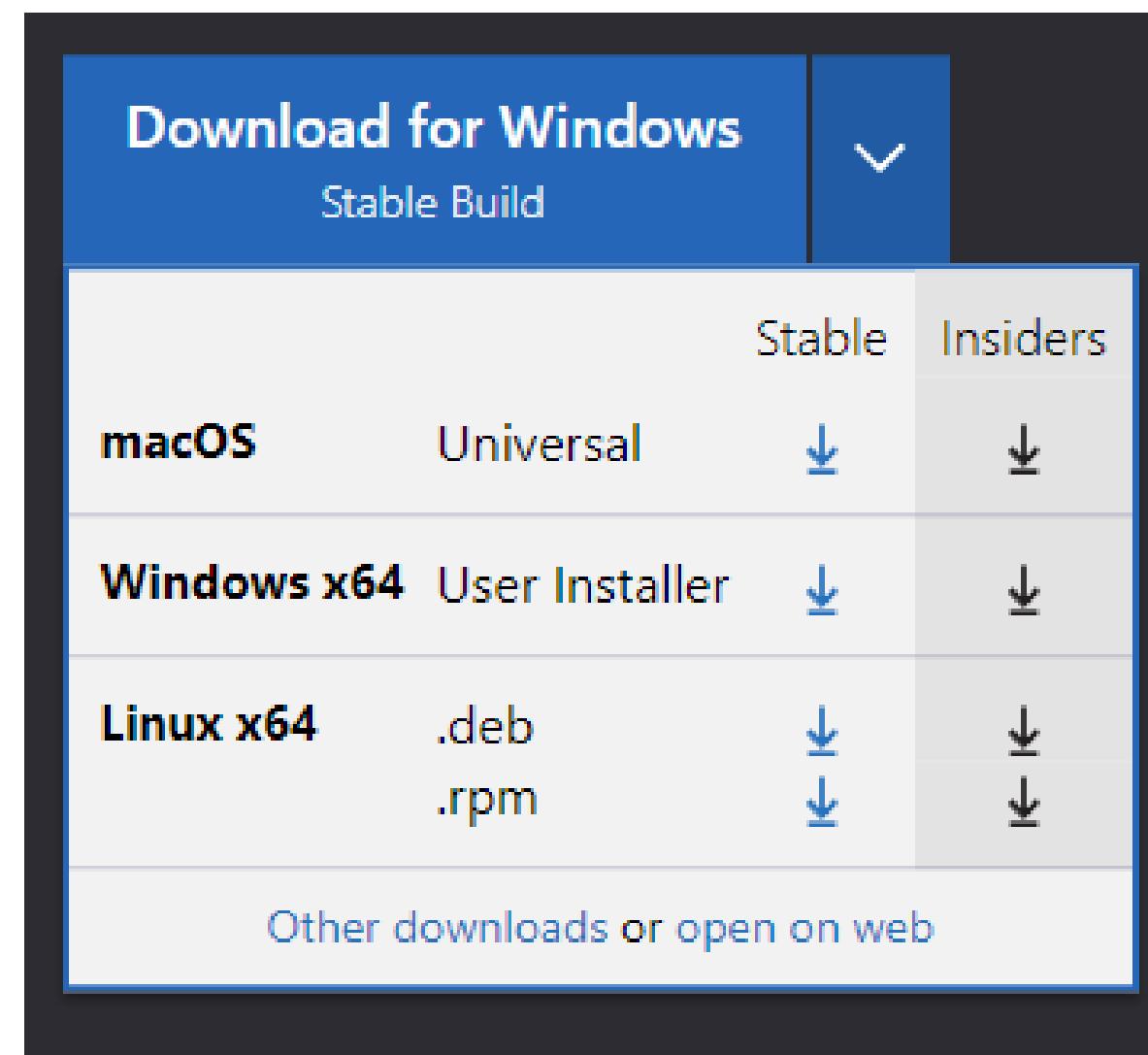
[Learn more →](#)

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[Download Visual Studio Code ▾](#)



# Up Next



**Check your organization's  
software policies before  
installing third-party  
software.**



# Walkthrough

**Install Visual Studio Code on Windows**



# Download Installer

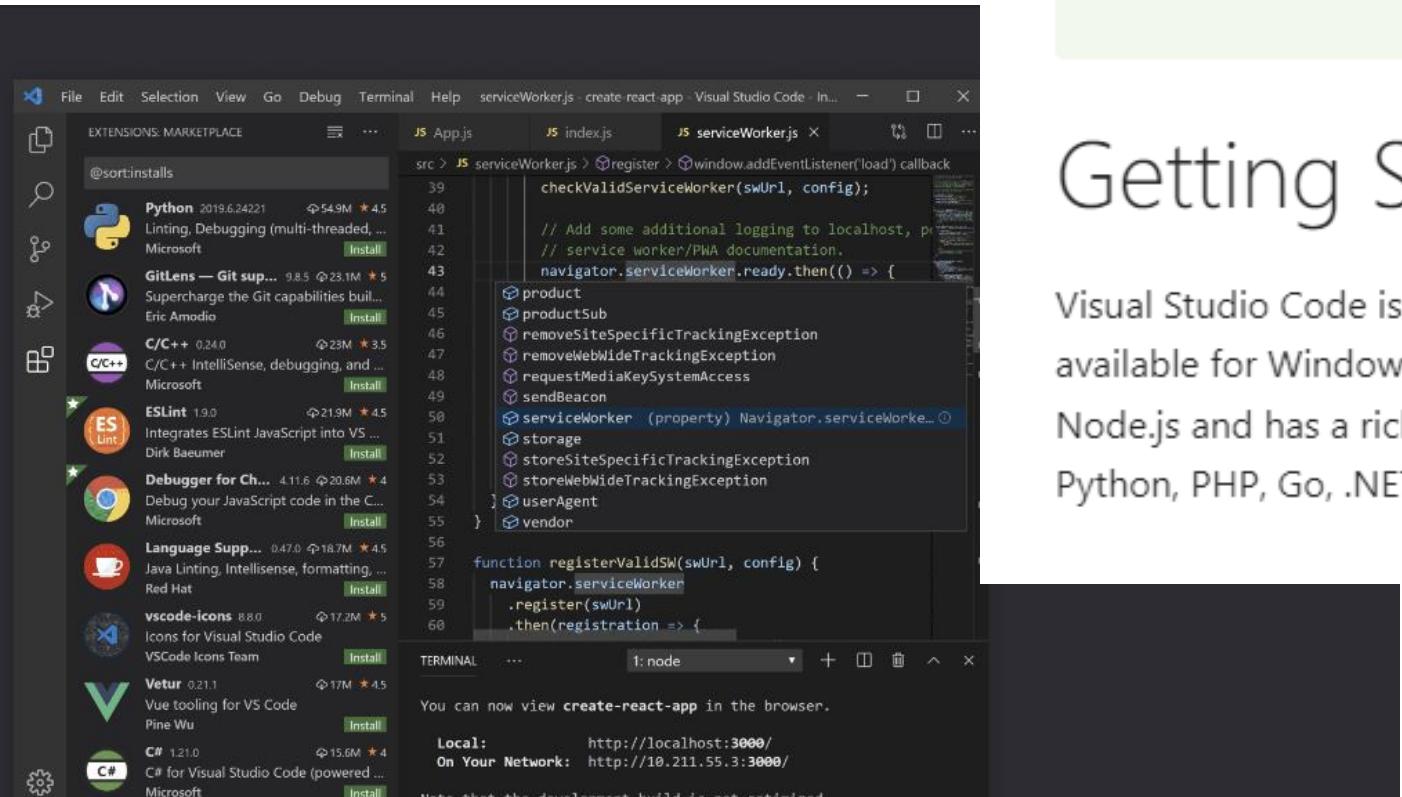
Code editing.  
Redefined.

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Download for Windows  
Stable Build

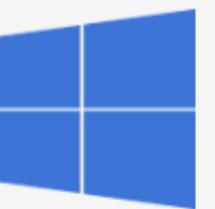
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IntelliSense

Run



↓ Windows  
Windows 10, 11

User Installer    x64    Arm64  
System Installer    x64    Arm64  
.zip    x64    Arm64  
CLI    x64    Arm64



↓ .deb  
Debian, Ubuntu

↓ .rpm  
Red Hat, Fedora, SUSE

.deb    x64    Arm32    Arm64  
.rpm    x64    Arm32    Arm64  
.tar.gz    x64    Arm32    Arm64  
Snap    Snap Store  
CLI    x64    Arm32    Arm64



↓ Mac  
macOS 10.15+

.zip    Intel chip    Apple silicon    Universal  
CLI    Intel chip    Apple silicon

Thanks for downloading VS Code for Windows!

Download not starting? Try this [direct download link](#).

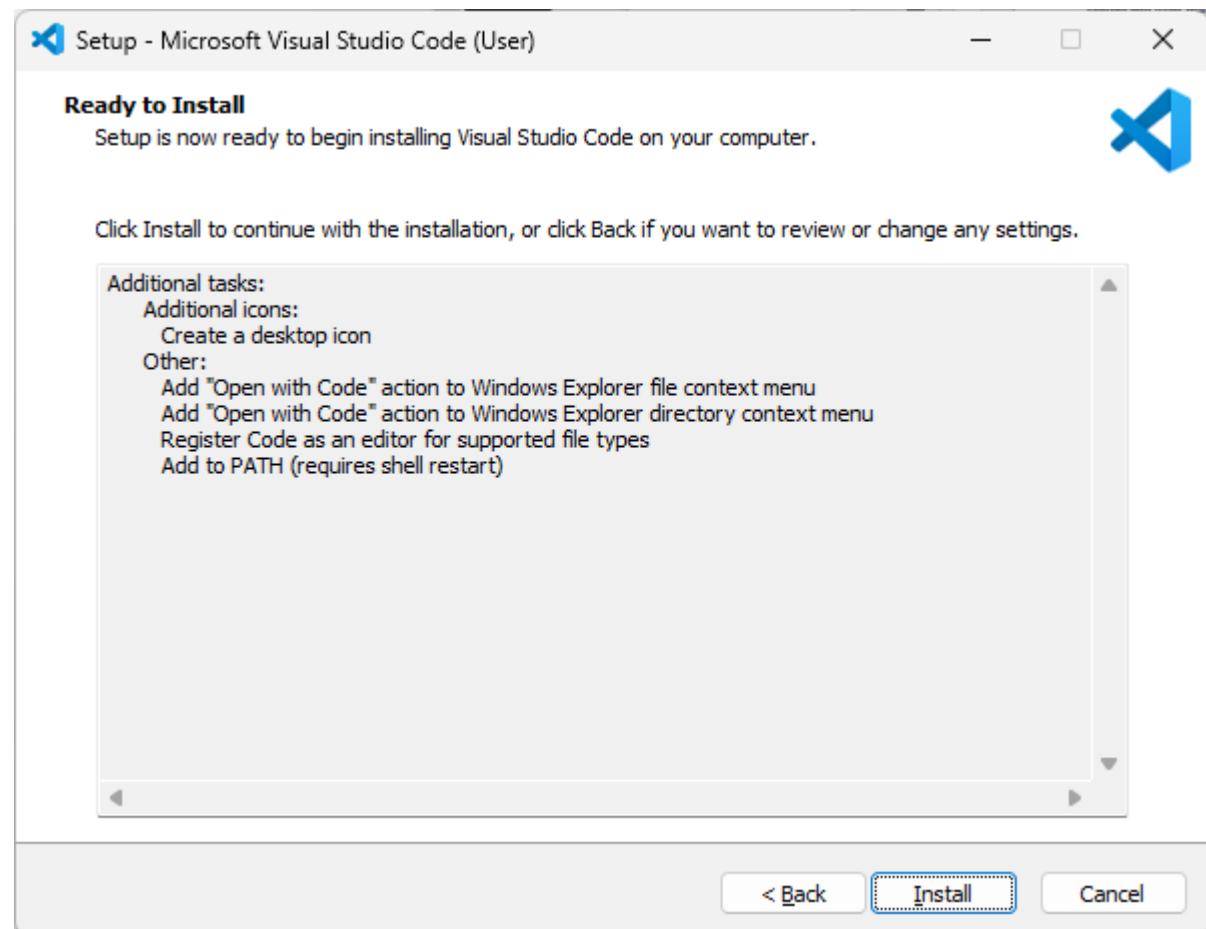
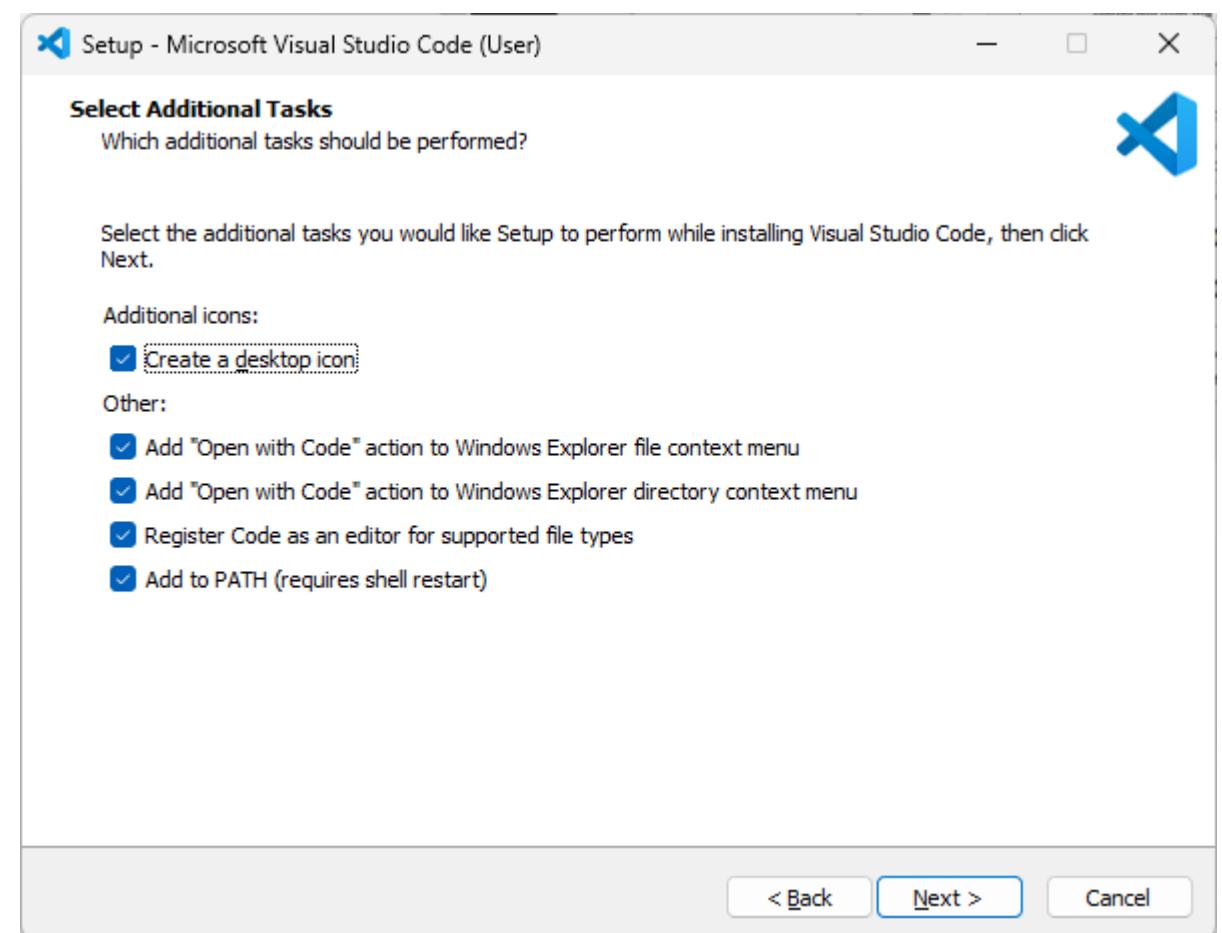
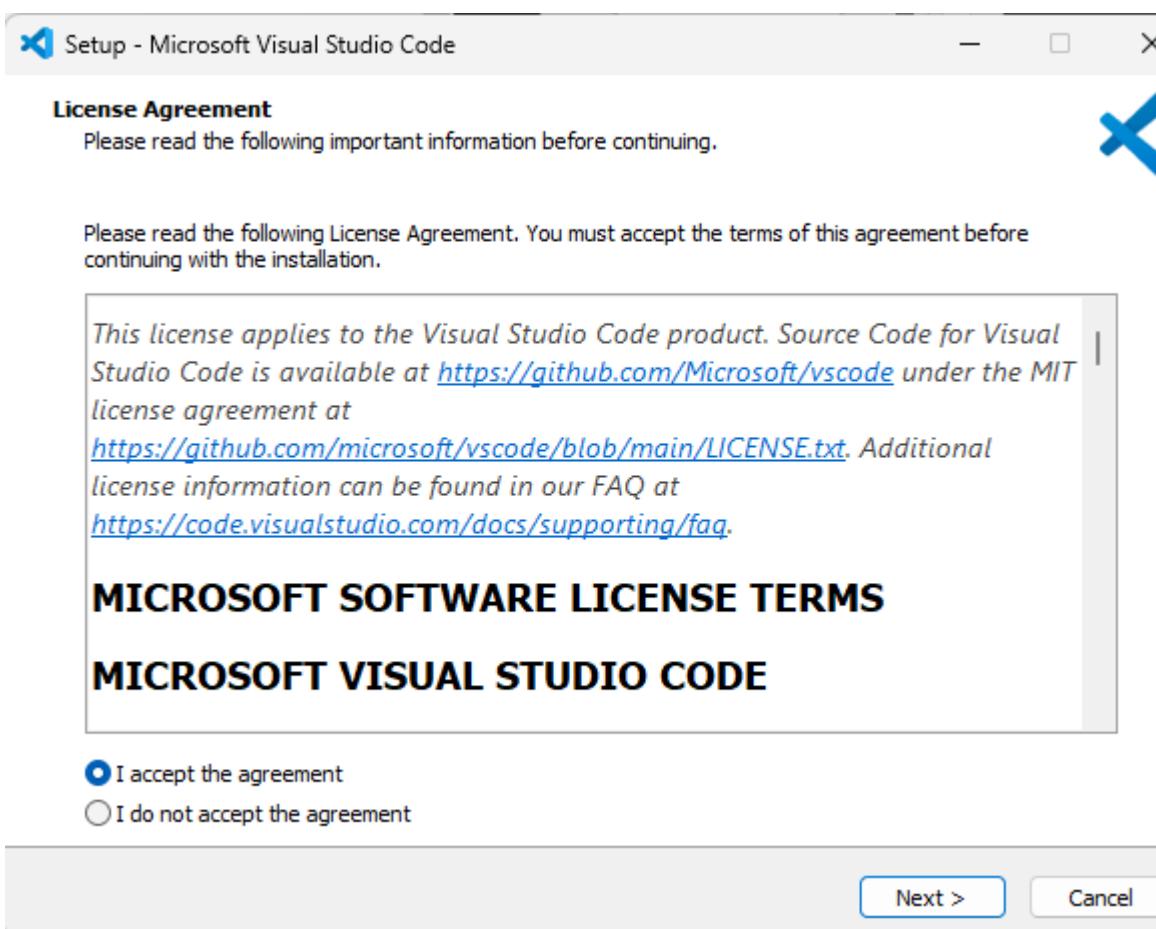
Please take a few seconds and help us improve ... [click to take survey](#).

## Getting Started

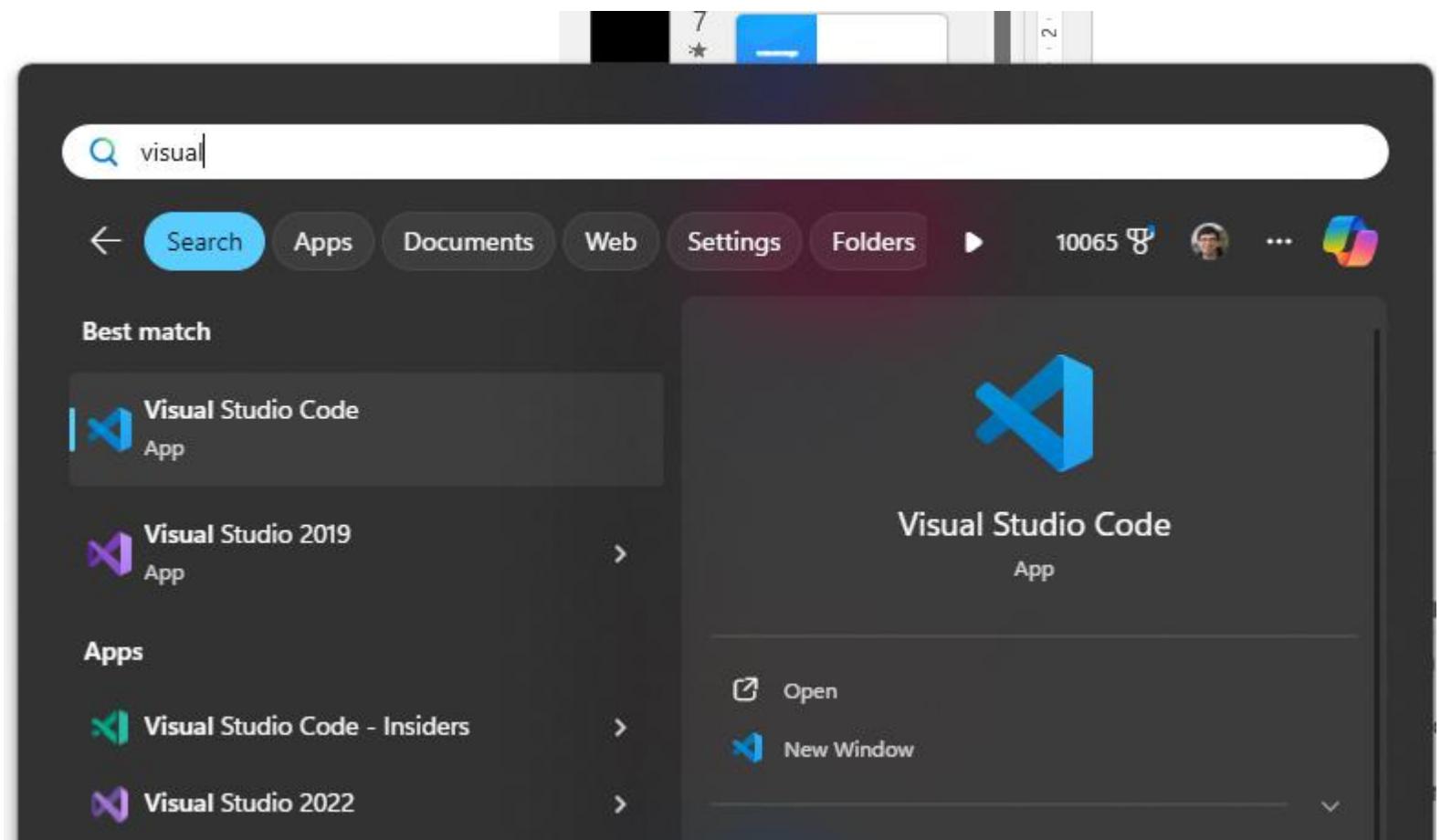
Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages and runtimes (such as C++, C#, Java, Python, PHP, Go, .NET). Begin your journey with VS Code with these [introductory videos](#).



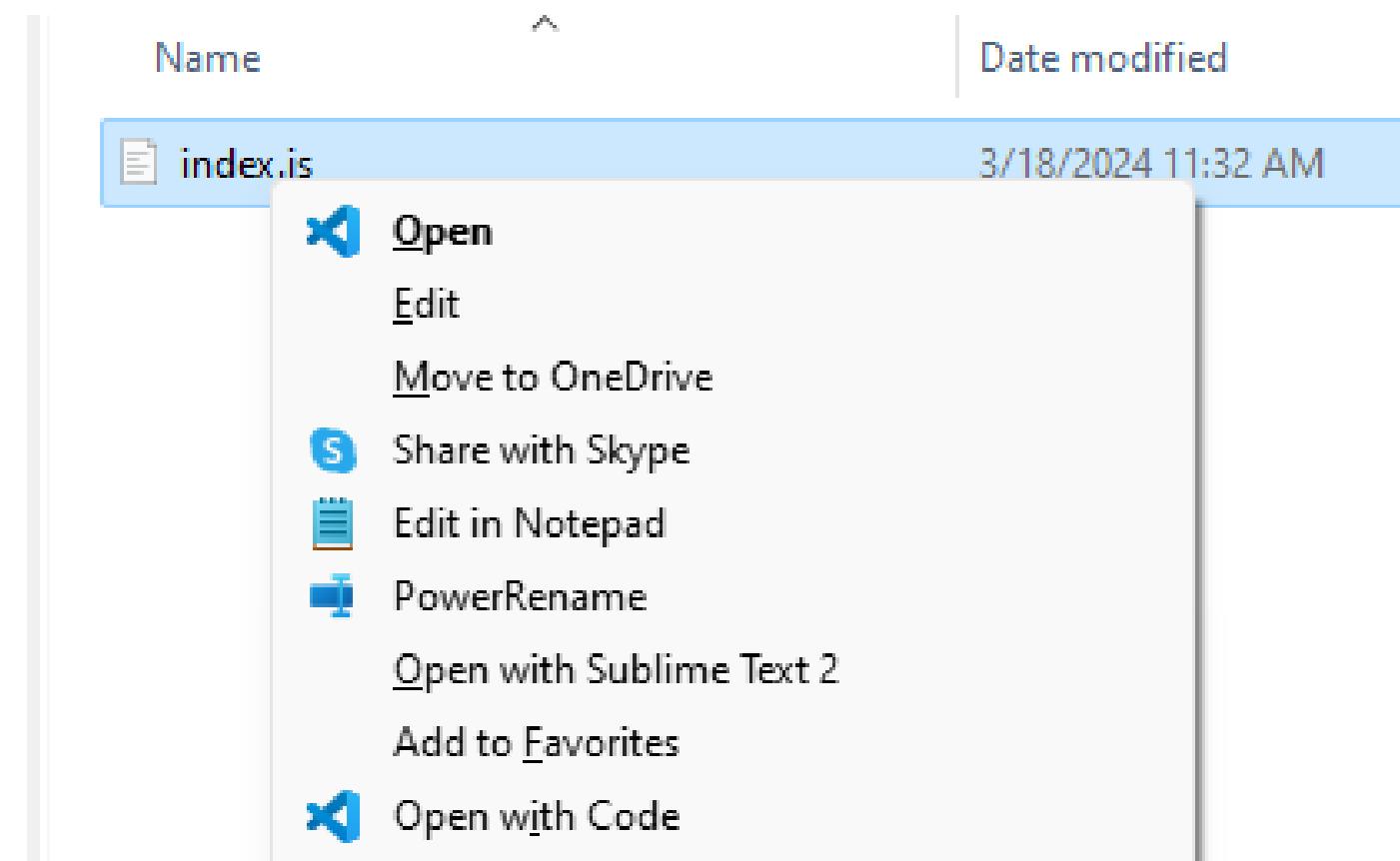
# Follow the Prompts



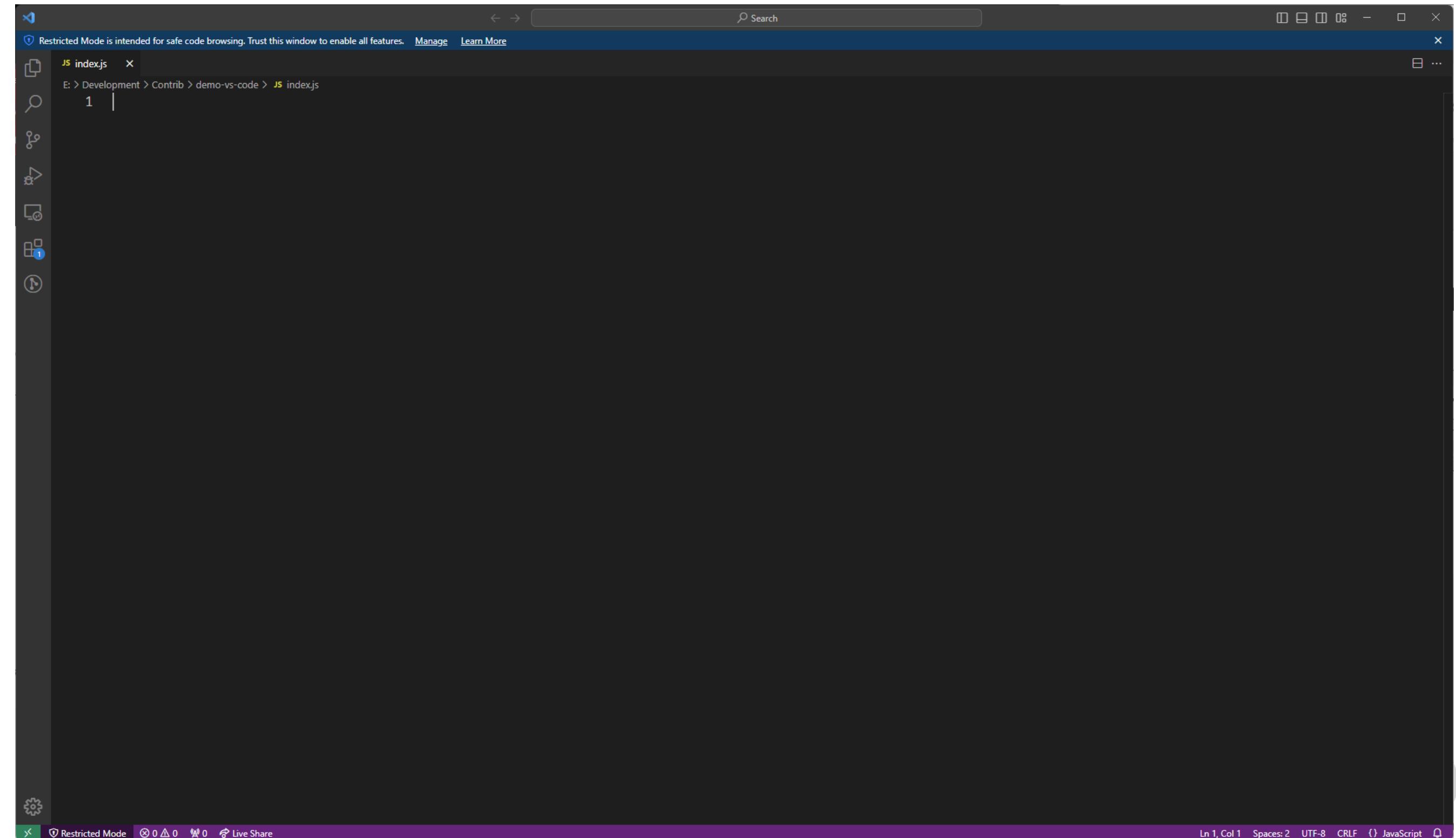
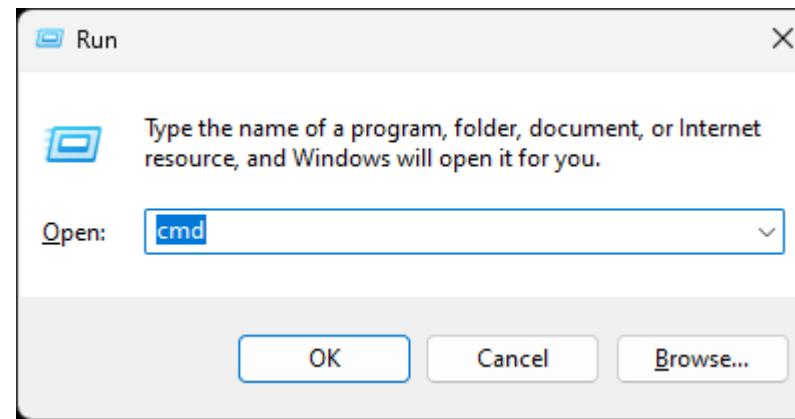
# Verify Setup Worked: Start Menu



# Open with Code (Shift + Right-Click)



# Open with Code from Command-Line



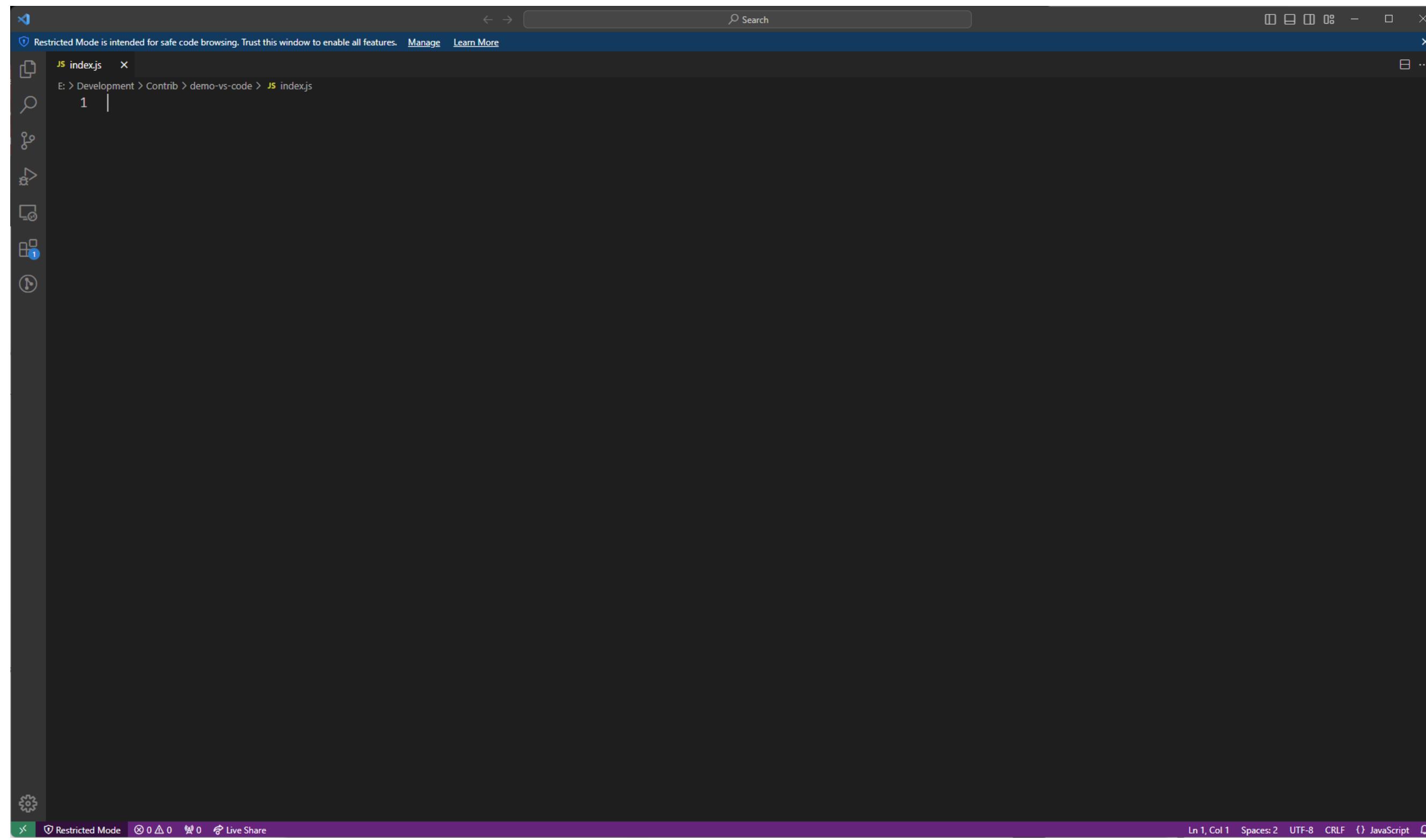


**For additional help, see:**

**Troubleshooting Installation Issues**



# Conclusion



# Walkthrough

**Install Visual Studio Code on Mac**



# Download Installer

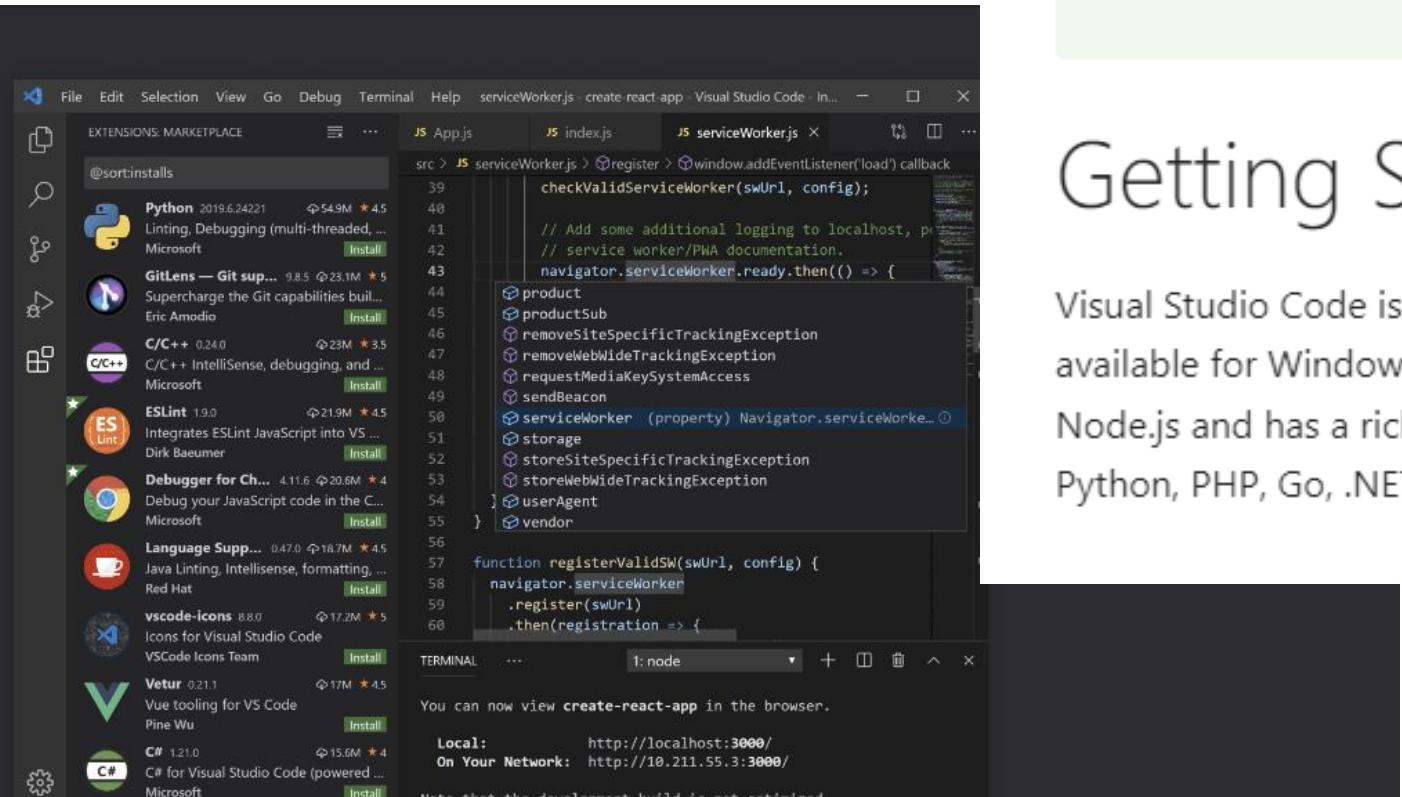
Code editing.  
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Free. Built on open source. Runs everywhere.

Download for Windows  
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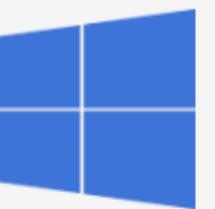
Web, Insiders edition, or other platforms

By using VS Code, you agree to its  
license and privacy statement.



IntelliSense

Run



↓ Windows  
Windows 10, 11

User Installer    x64    Arm64  
System Installer    x64    Arm64  
.zip    x64    Arm64  
CLI    x64    Arm64



↓ .deb  
Debian, Ubuntu

↓ .rpm  
Red Hat, Fedora, SUSE

.deb    x64    Arm32    Arm64  
.rpm    x64    Arm32    Arm64  
.tar.gz    x64    Arm32    Arm64  
Snap    Snap Store  
CLI    x64    Arm32    Arm64



↓ Mac  
macOS 10.15+

.zip    Intel chip    Apple silicon    Universal  
CLI    Intel chip    Apple silicon

Thanks for downloading VS Code for Windows!

Download not starting? Try this [direct download link](#).

Please take a few seconds and help us improve ... [click to take survey](#).

## Getting Started

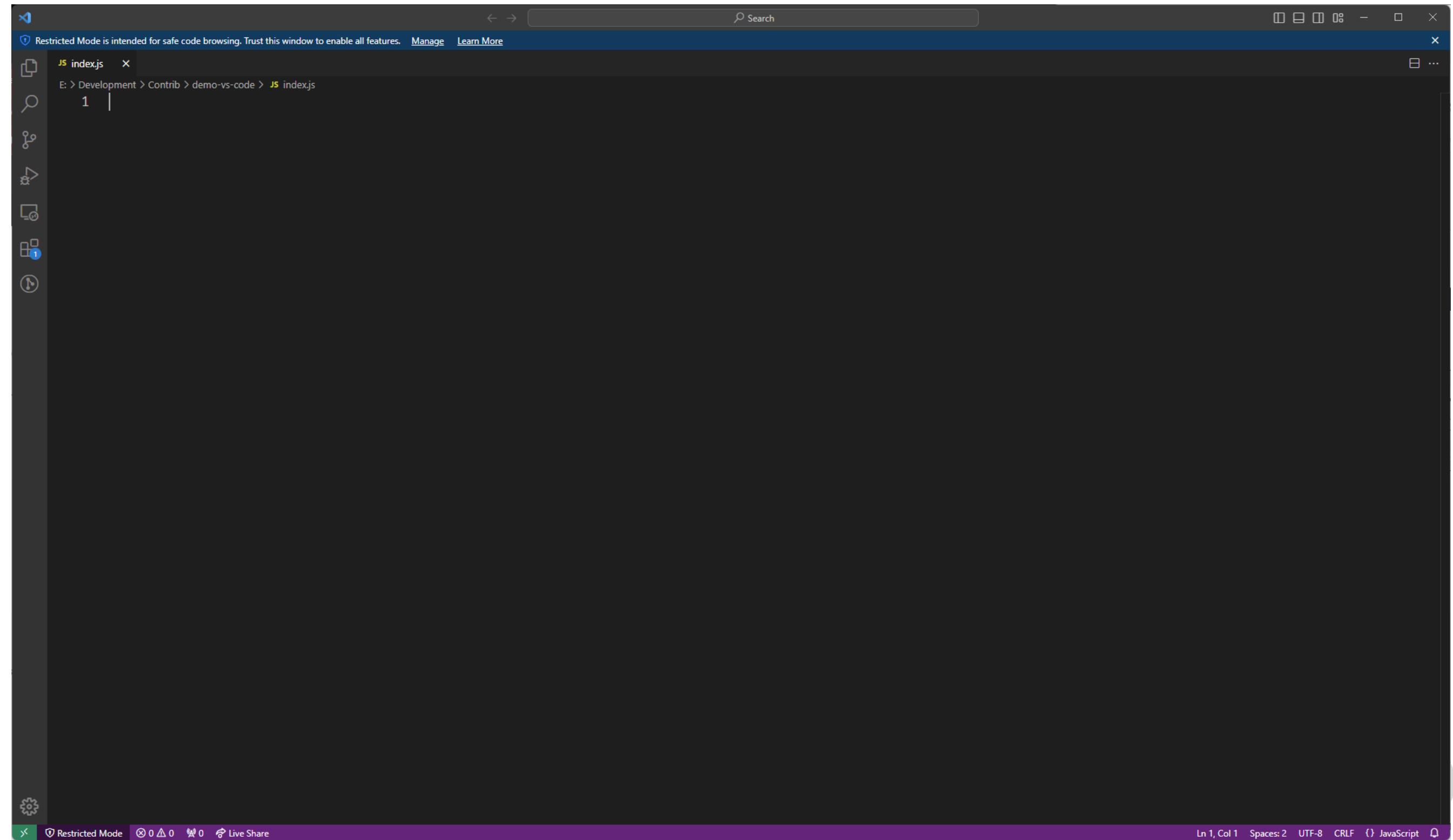
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# Follow the Prompts



# Open with Code from Command-Line



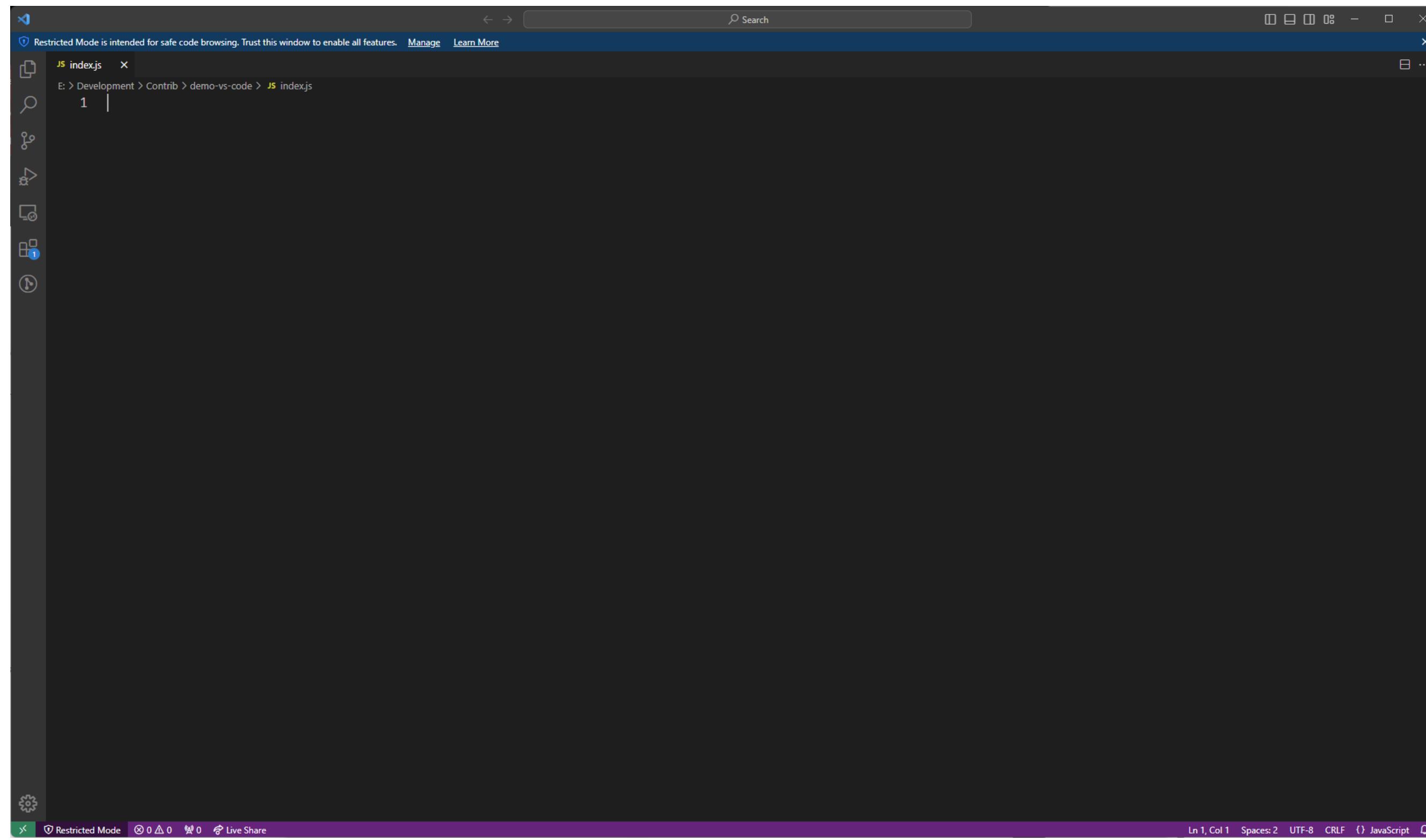


**For additional help, see:**

**Troubleshooting Installation Issues**



# Conclusion



# Demo

**Get to know the interface**

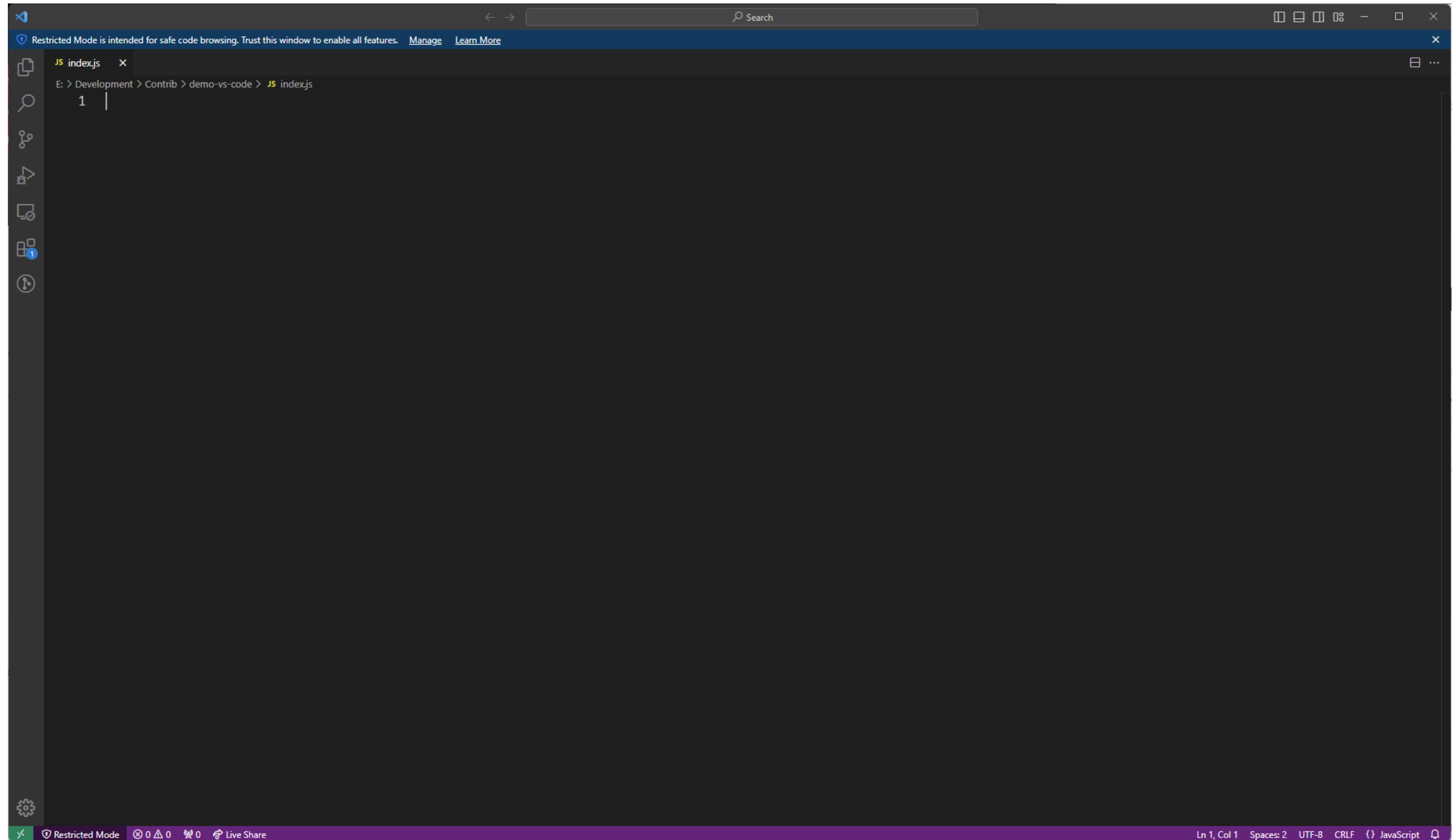
**Working with files**

**Working with folders**

**Basic language features**



# Intro



A screenshot of a Microsoft Edge browser window. The title bar says "Search". The address bar shows "E: > Development > Contrib > demo-vs-code > index.js". The main content area is a code editor with a dark theme. A single digit "1" is typed on the first line. The left sidebar has icons for file operations like copy, paste, search, and refresh. The bottom status bar shows "Restricted Mode" is on, along with other status indicators.



# Restricted Mode

A screenshot of the Visual Studio Code interface in dark mode. The title bar shows "Restricted Mode is intended for safe code browsing. Trust this window to enable all features." with links to "Manage" and "Learn More". The left sidebar shows a file tree with "index.js" selected. The main editor area has a single line of code "1 |". A central modal dialog is displayed with the heading "You are in Restricted Mode". It contains two sections: "In a Trusted Window" (left) and "In Restricted Mode" (right). The "In a Trusted Window" section states: "You trust the authors of the files in the current window. All features are enabled:" followed by a bulleted list: "✓ Tasks are allowed to run", "✓ Debugging is enabled", and "✓ All enabled extensions are activated". It includes a "Trust" button and "Ctrl+Enter" keyboard shortcut. The "In Restricted Mode" section states: "You do not trust the authors of the files in the current window. The following features are disabled:" followed by a bulleted list: "✗ Tasks are not allowed to run", "✗ Debugging is disabled", and "✗ 45 extensions are disabled or have limited functionality". At the bottom of the screen, there are status icons for "Restricted Mode", "Live Share", and "JavaScript", along with status bars for "Ln 1, Col 1", "Spaces: 2", "UTF-8", "CRLF", and "JavaScript". A circular navigation icon is in the bottom right corner.

Restricted Mode is intended for safe code browsing. Trust this window to enable all features. [Manage](#) [Learn More](#)

JS index.js

E: > Development > Contrib > demo-vs-code > JS index.js

1 |

You are in Restricted Mode

Code is in a restricted mode intended for safe code browsing.  
[Configure your settings](#) or [learn more](#).

In a Trusted Window

You trust the authors of the files in the current window. All features are enabled:

- ✓ Tasks are allowed to run
- ✓ Debugging is enabled
- ✓ All enabled extensions are activated

Trust

Ctrl+Enter

In Restricted Mode

You do not trust the authors of the files in the current window. The following features are disabled:

- ✗ Tasks are not allowed to run
- ✗ Debugging is disabled
- ✗ 45 extensions are disabled or have limited functionality

Restricted Mode

Live Share

JavaScript

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF {} JavaScript

# Text Editor



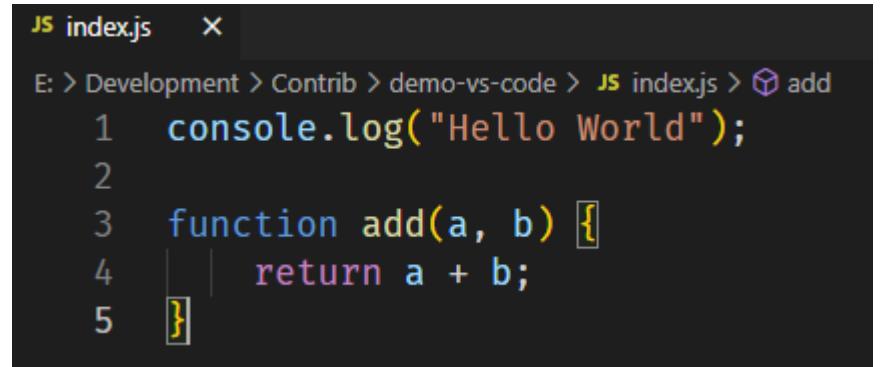
A screenshot of a text editor interface. The file being edited is named "index.js". The code shown is:

```
js index.js  x log( ... data: any[]): void  
E: > Development > Contrib > der  
1   console.log()
```

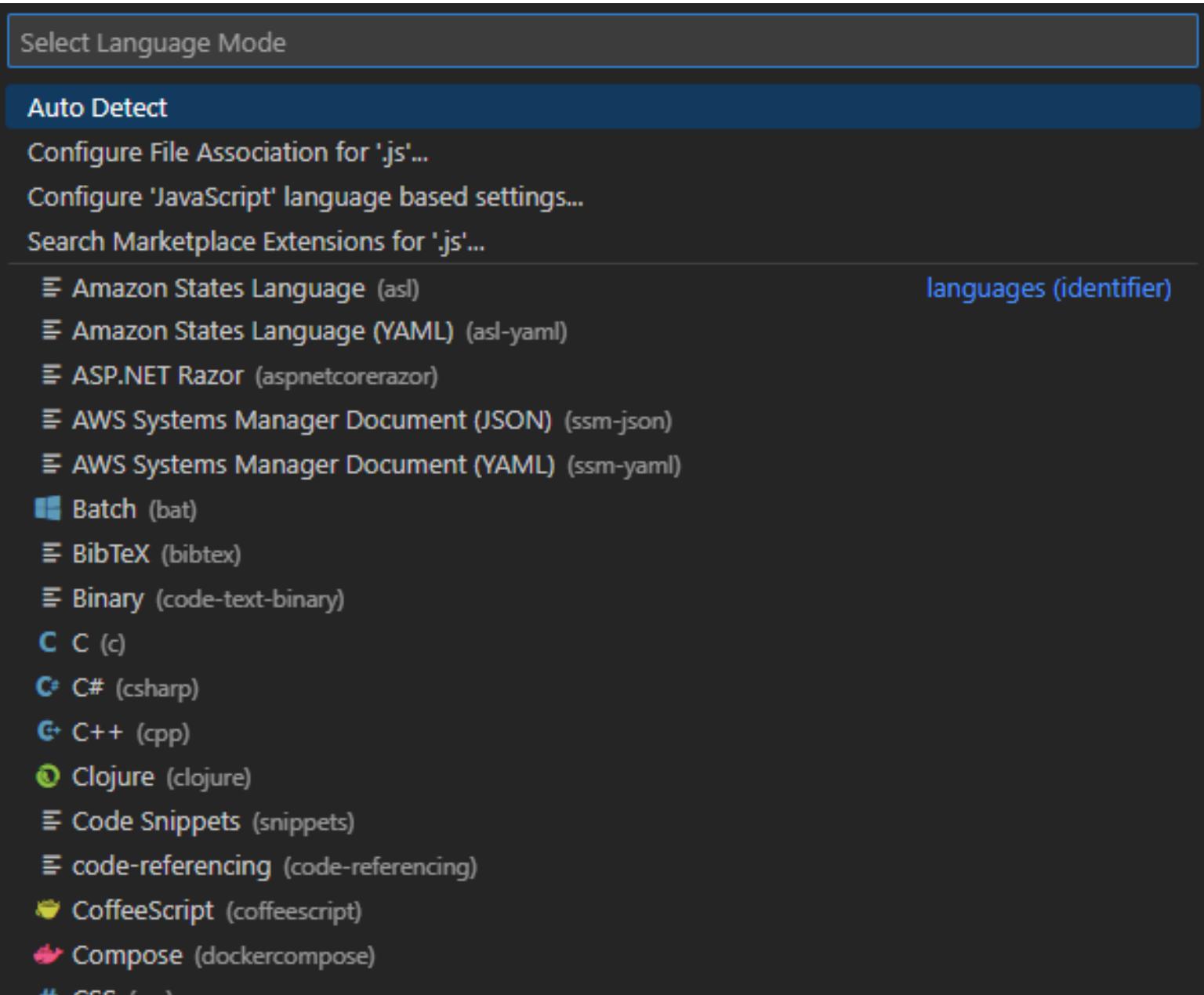
The word "log" is highlighted in yellow, indicating it is the current selection. A tooltip or info box is displayed above the cursor, showing the function signature: "log( ... data: any[]): void". Below the signature, there is a link labeled "MDN Reference". The status bar at the bottom shows the file path "E: > Development > Contrib > der" and the line number "1".



# Language Mode



```
JS index.js  x
E: > Development > Contrib > demo-vs-code > JS index.js > ⚙ add
1  console.log("Hello World");
2
3  function add(a, b) {
4    return a + b;
5 }
```



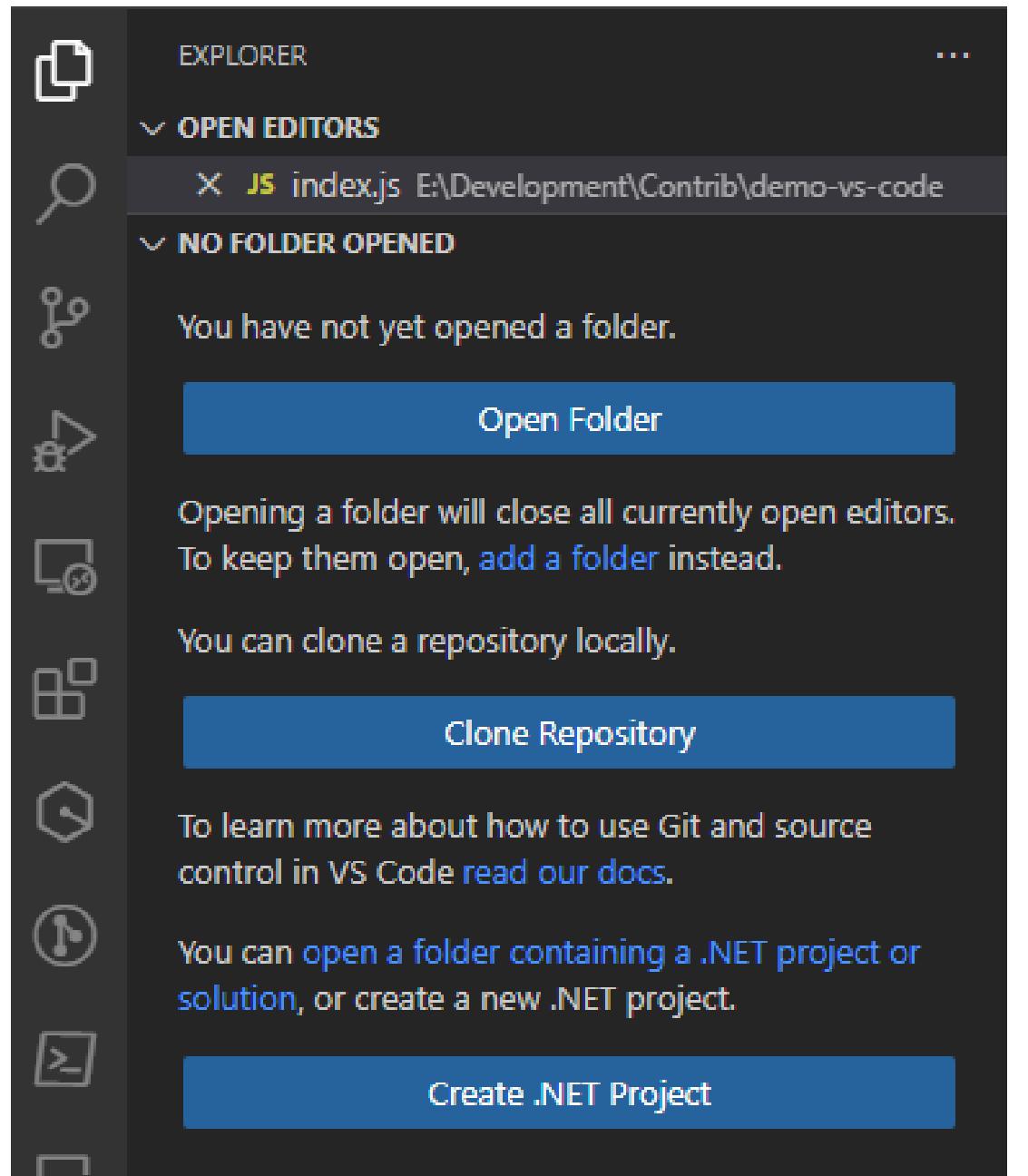
# Symbol Navigation

```
JS index.js  X  
E: > Development > Contrib > demo-vs-code > JS index.js > ⚡ add  
1  console.log("Hello World");  
2  
3  function add(a, b) {  
4  |    return a + b;  
5 }  
 
```

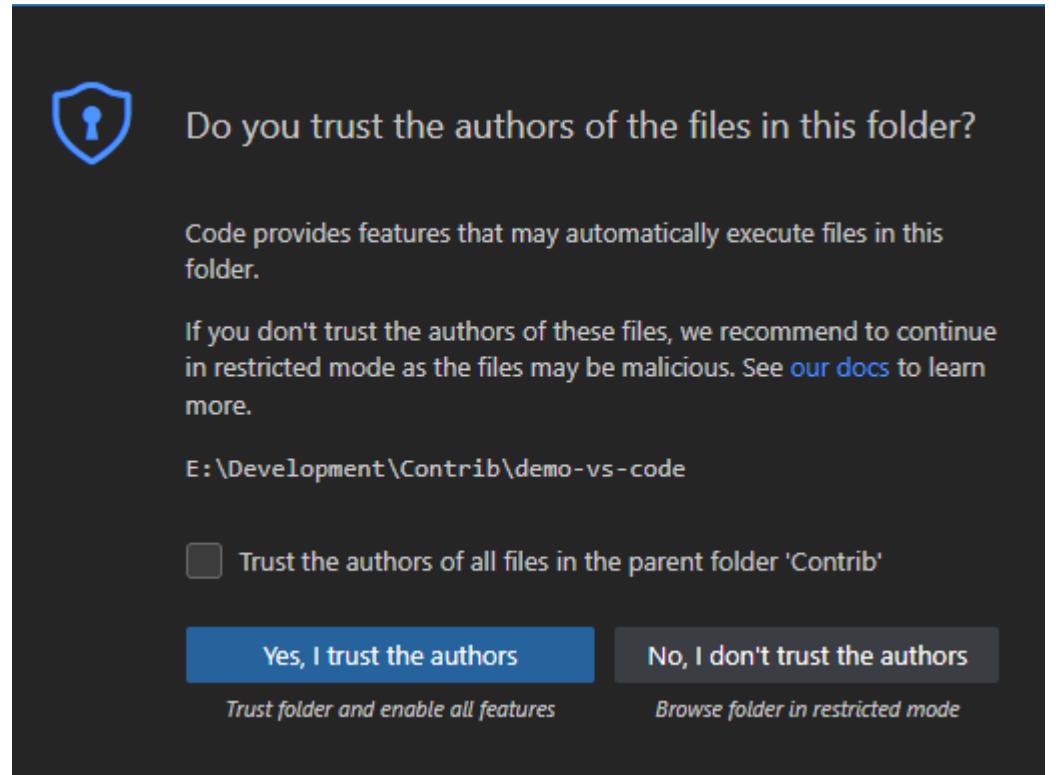
```
function (a, b) {  
    return a + b;  
}
```



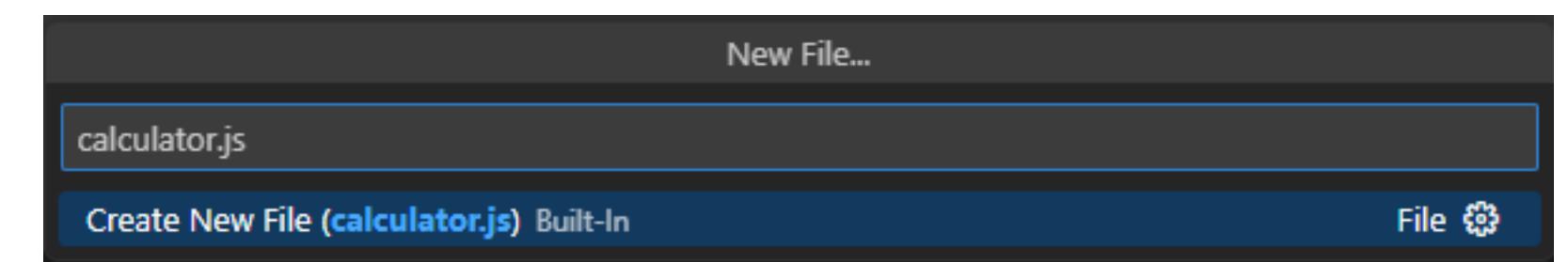
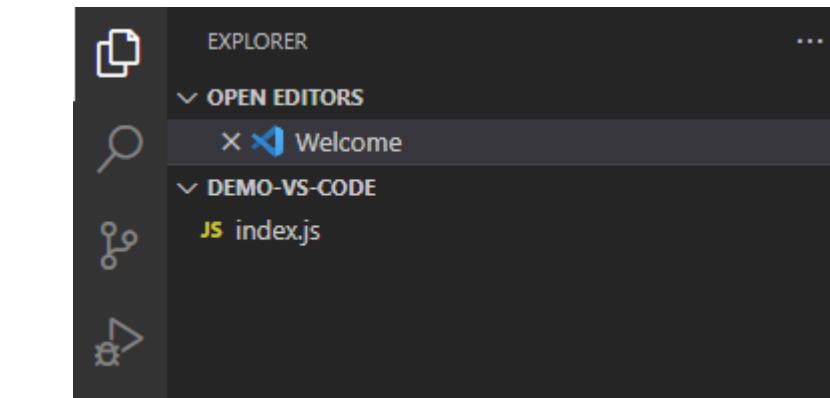
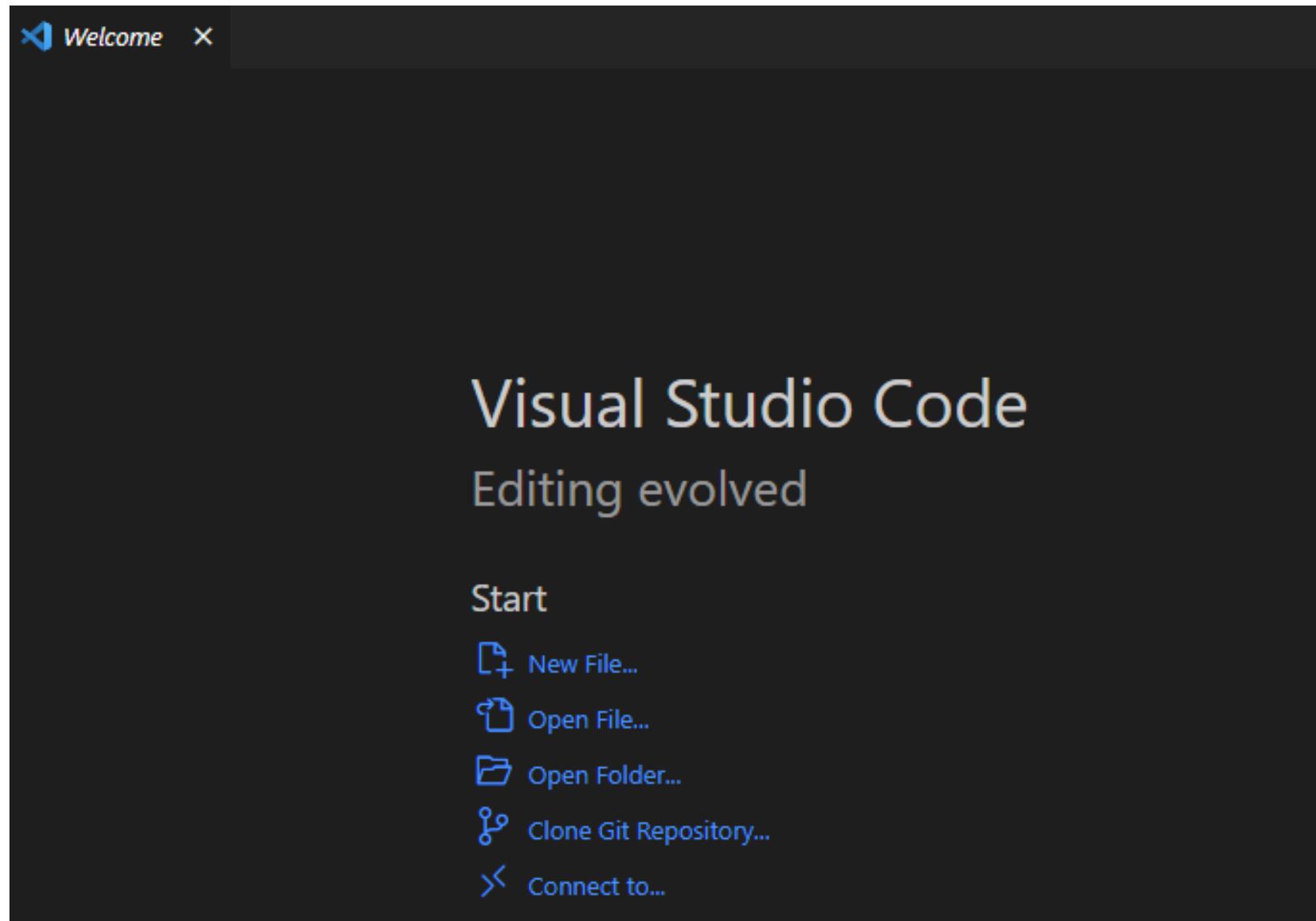
# Explorer



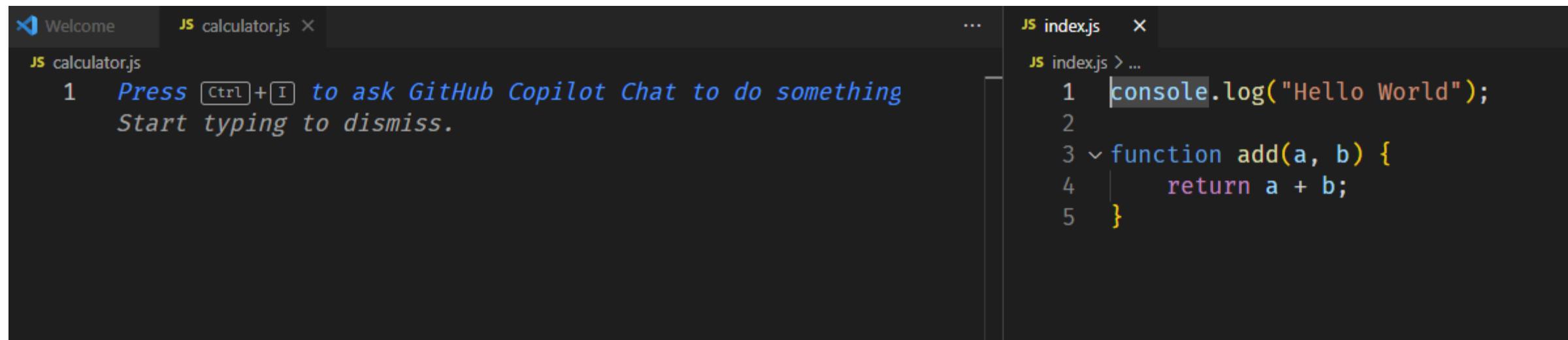
# Open Folder (Trust)



# Welcome Screen



# Multiple Files



The screenshot shows a dark-themed code editor with two tabs open: 'calculator.js' and 'index.js'. In the 'calculator.js' tab, there is a GitHub Copilot Chat interface with the following text:

```
1 Press [ctrl]+[space] to ask GitHub Copilot Chat to do something  
Start typing to dismiss.
```

In the 'index.js' tab, the following code is visible:

```
1 console.log("Hello World");  
2  
3 function add(a, b) {  
4     return a + b;  
5 }
```



# TS Language Server

```
JS calculator.js > ...
1 function add(a, b) {
2   return a + b;
3 }
4
5 function subtract(a, b) {
6   return a - b;
7 }
8
9 module.exports = {
10   ...
11   add,
12 };
```

```
JS calculator.js > ...
1 function
2   return
3 }
4
5 function subtract(a: any, b: any): number
6
7 }
8
9 module.exports = {
10   ...
11   add,
12 }
```

'subtract' is declared but its value is never read. ts(6133)

Quick Fix... (Ctrl+.)



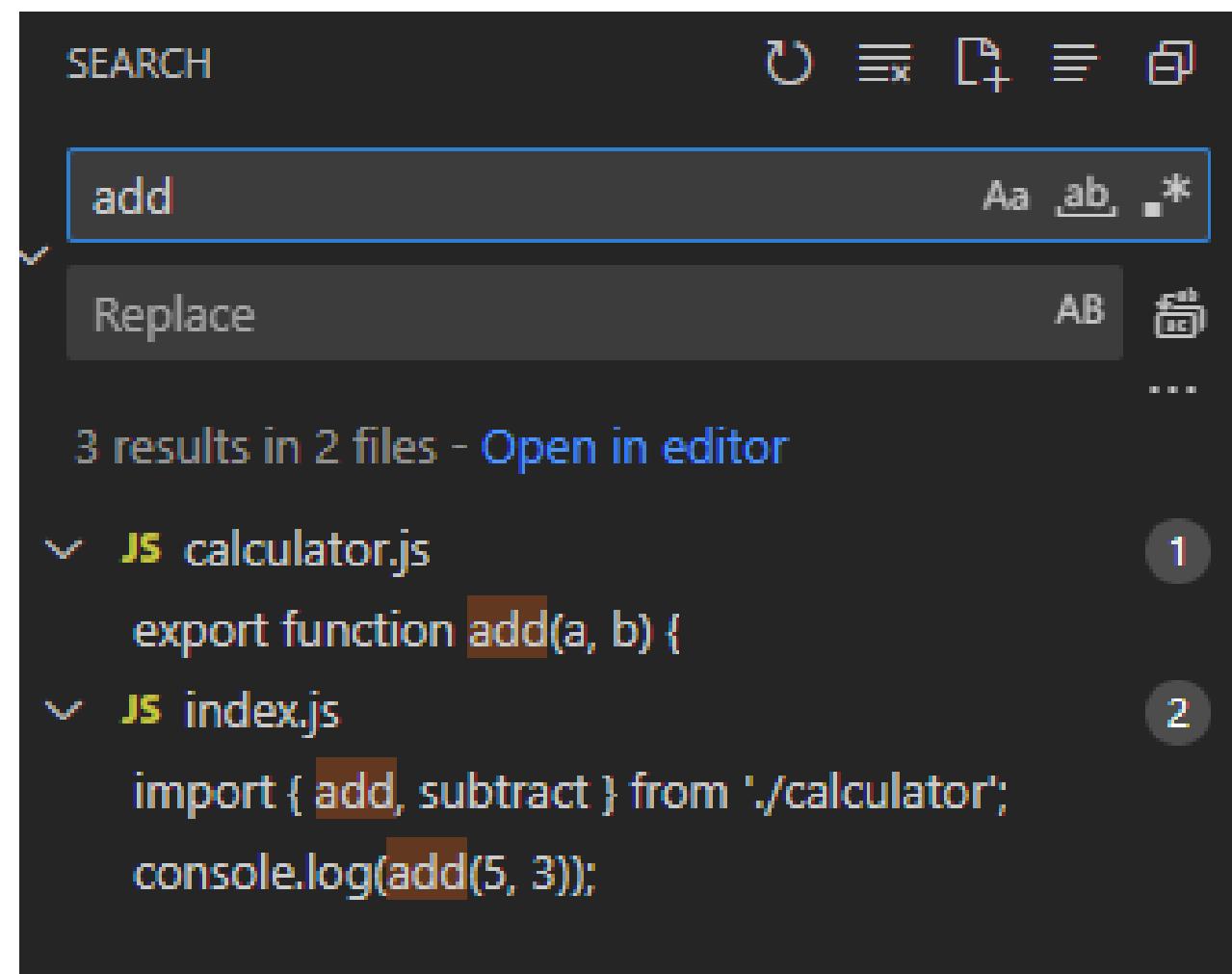
# JavaScript Support

js index.js > ...

```
1 const { add, subtract } = require("./calculator");
2 |
3 console.log(add(5, 3));
4 console.log(subtract(7, 2));
5
```



# Search



The screenshot shows the VS Code search interface with the search term "subtract" entered. It shows the results for "calculator.js":

```
1 export function add(a, b) {  
2 | return a + b;  
3 }  
4  
5 export function subtract(a, b) {  
6 | return a - b;  
7 }
```





# **Everyday Hotkeys and Shortcuts**



# Demo

**Navigating through code quickly**

**Using the command palette**

**Managing multiple terminals**

**Text editing tricks**

**Customizations**

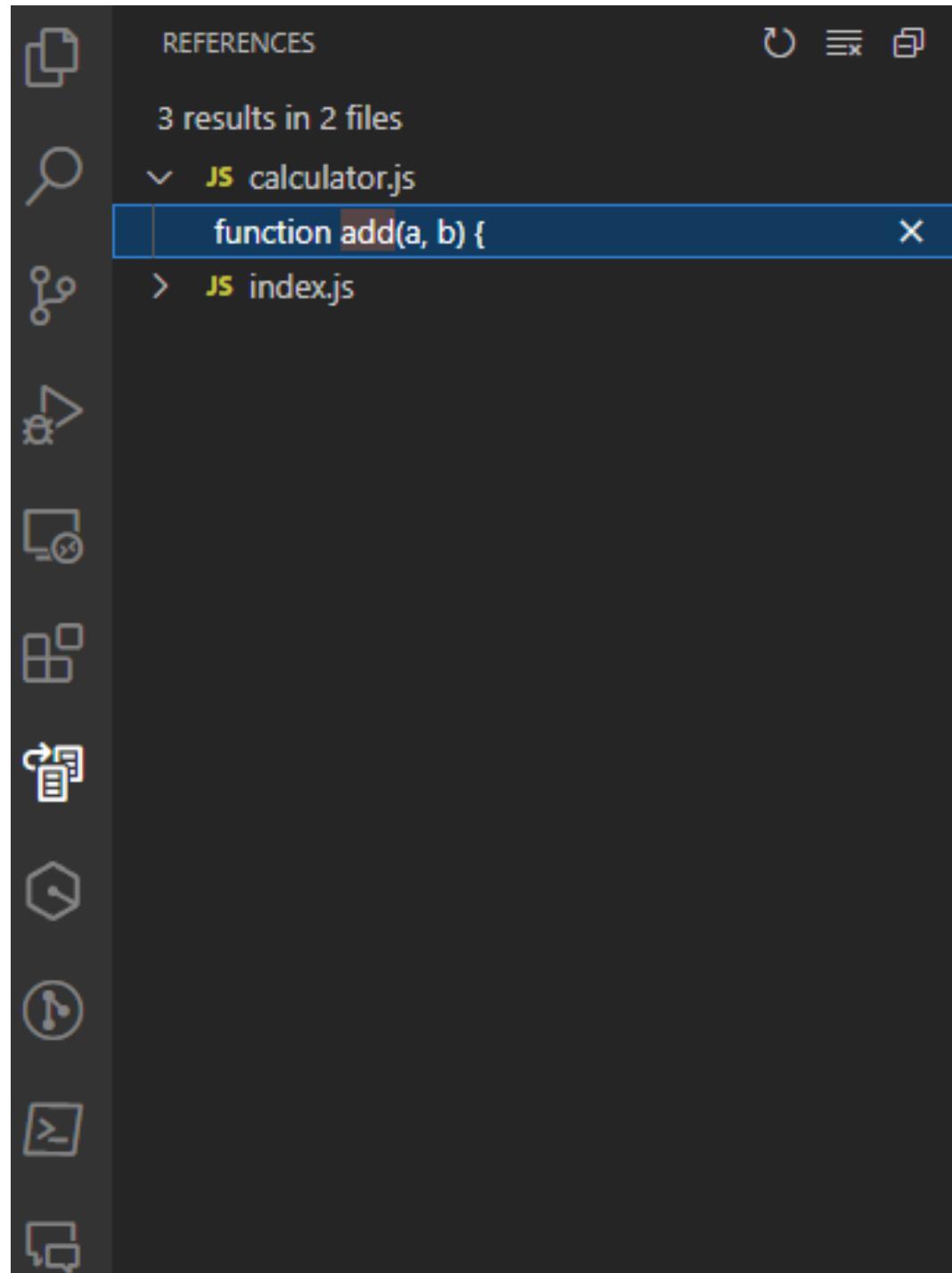


Command	Windows Shortcut	Mac Shortcut
Go Back	Alt-LeftArrow	Option-LeftArrow
Go Forward	Alt-RightArrow	Option-RightArrow
Go to Definition	F12	F12
Find All References	Shift-Alt-F12	Shift-Option-F12
Quick Switch Open Editor <i>(Forward / Back)</i>	Ctrl-Tab / Ctrl-Shift-Tab <i>Hold to display list</i>	Cmd-Tab / Cmd-Shift-Tab <i>Hold to display list</i>
Find in File	Ctrl-F	Cmd-F
Search Across Files	Ctrl-Shift-F	Cmd-Shift-F

## Shortcuts for Navigating Code



# References



The screenshot shows the VS Code editor with two tabs: 'index.js' and 'JS calculator.js'. The 'calculator.js' tab is active and shows the following code:

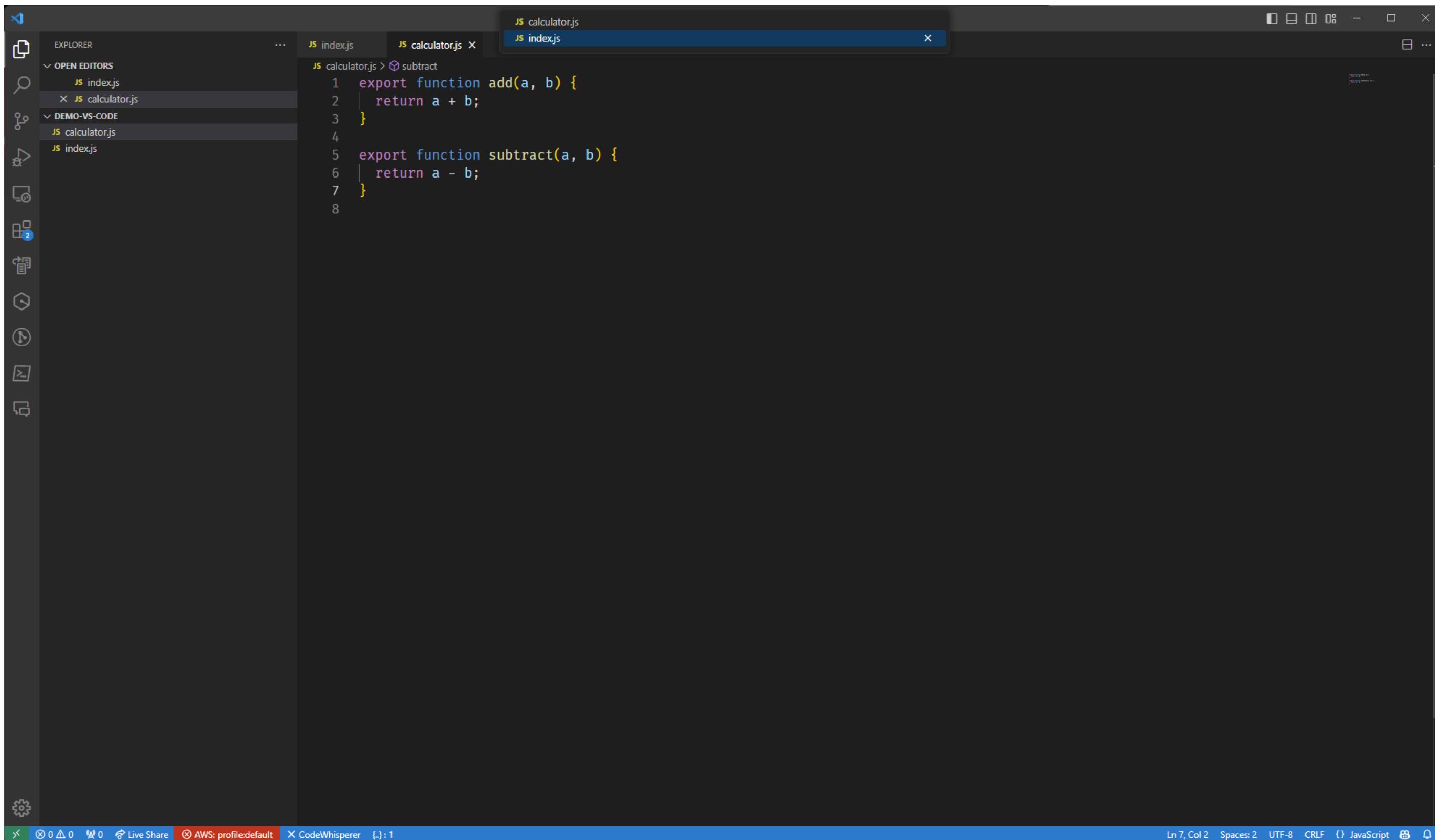
```
1 export function add(a, b) {
2   return a + b;
3 }
4
5 export function subtract(a, b) {
6   return a - b;
7 }
```

A context menu is open over the 'add' function definition. The menu items are:

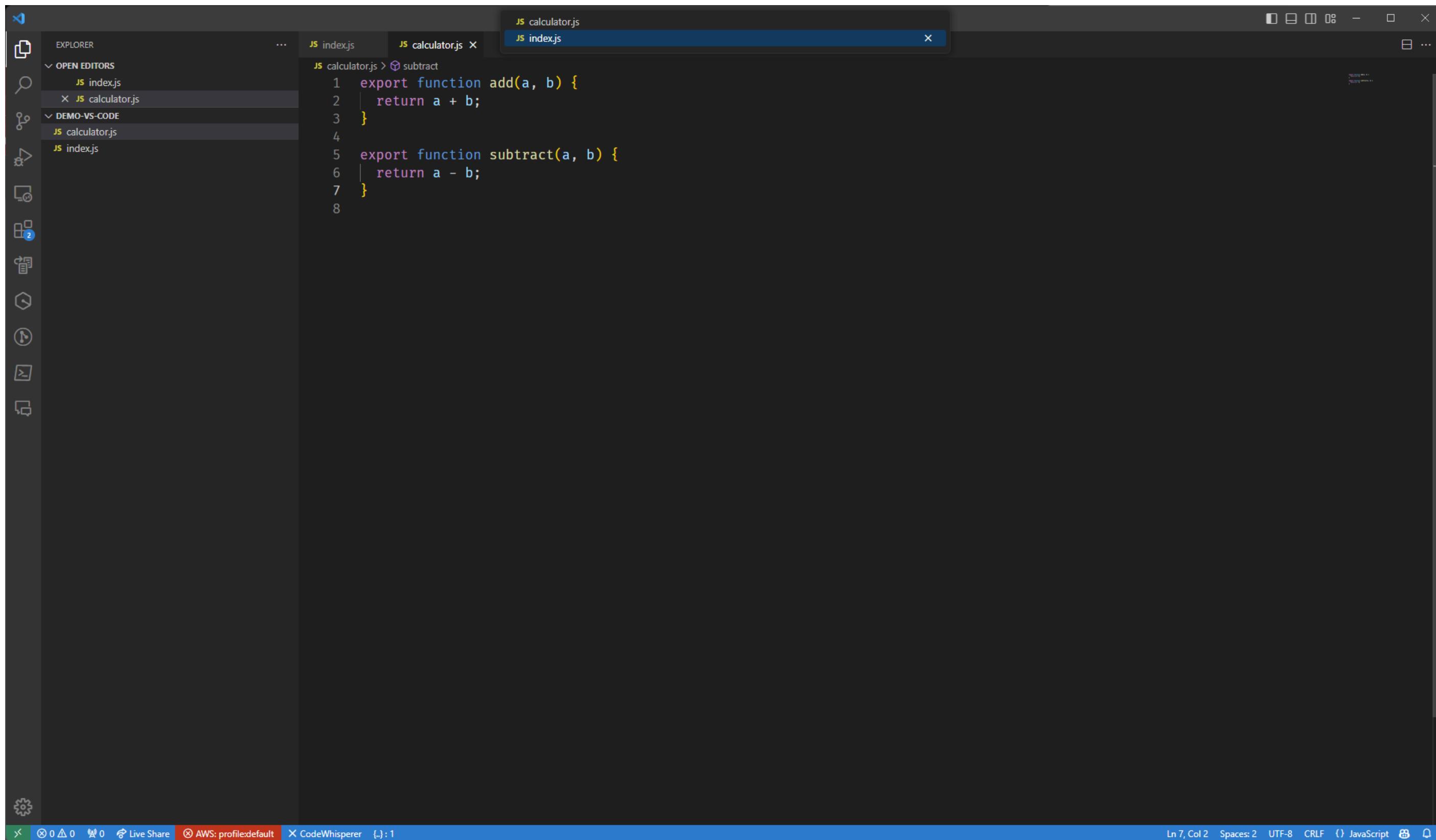
- Go to Definition F12
- Go to Type Definition
- Go to Implementations Ctrl+F12
- Go to References Shift+F12
- Go to Source Definition
- Peek >
- Find All References Shift+Alt+F12
- Find All Implementations
- Show Call Hierarchy Shift+Alt+H



# Switch Active Editor



# Go Forward and Back

A screenshot of the Visual Studio Code (VS Code) interface. The title bar shows "calculator.js" and "index.js". The left sidebar has sections for "EXPLORER", "OPEN EDITORS" (with "index.js" and "calculator.js" listed), and "DEMO-VS-CODE" (also listing "calculator.js" and "index.js"). The main editor area displays two files: "calculator.js" and "index.js". "calculator.js" contains the following code:

```
1 export function add(a, b) {  
2     return a + b;  
3 }  
4  
5 export function subtract(a, b) {  
6     return a - b;  
7 }  
8
```

The "index.js" file is currently active. The bottom status bar shows "Ln 7, Col 2" and "Spaces: 2". A circular button with a right-pointing arrow is located in the bottom right corner.

calculator.js > index.js

```
1 export function add(a, b) {  
2     return a + b;  
3 }  
4  
5 export function subtract(a, b) {  
6     return a - b;  
7 }  
8
```

OPEN EDITORS

calculator.js

index.js

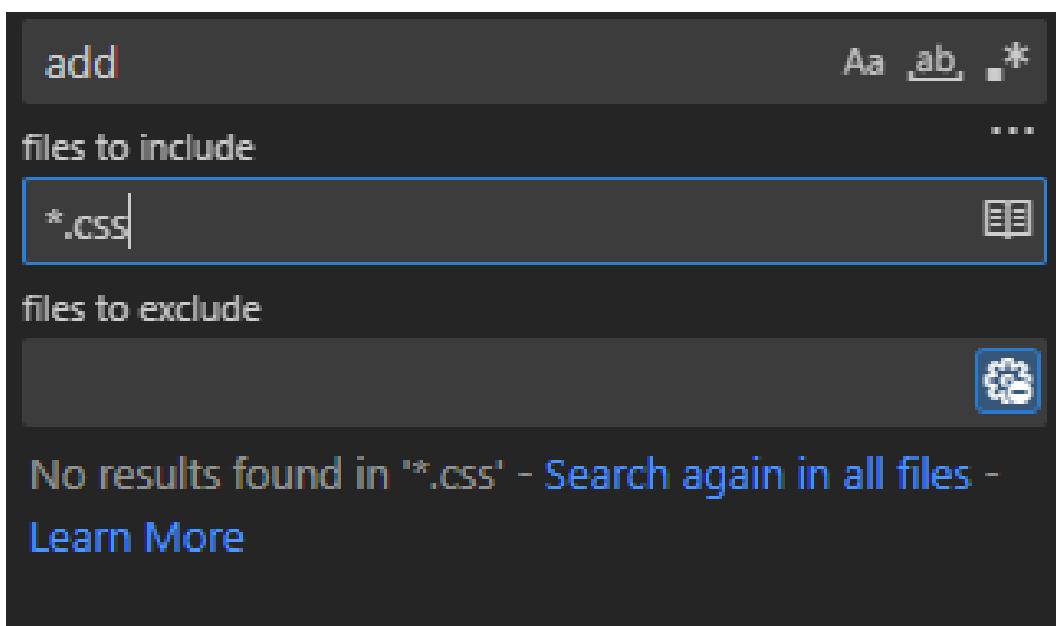
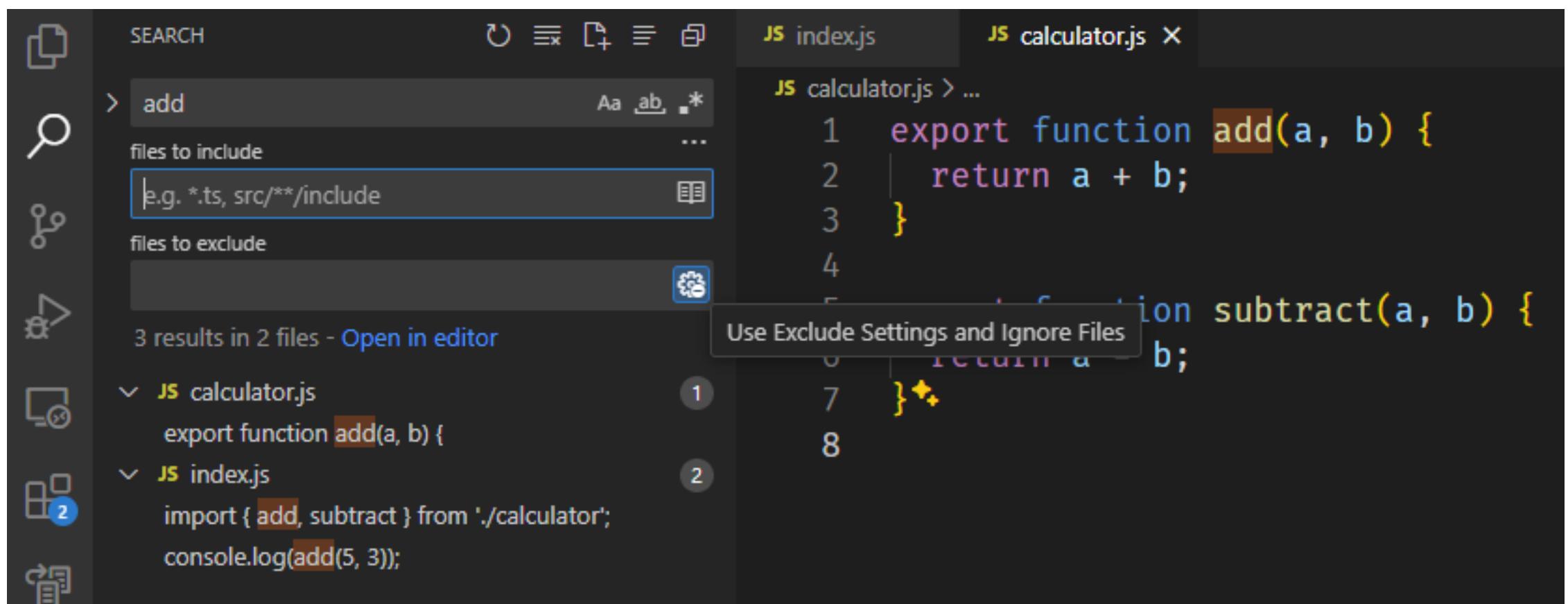
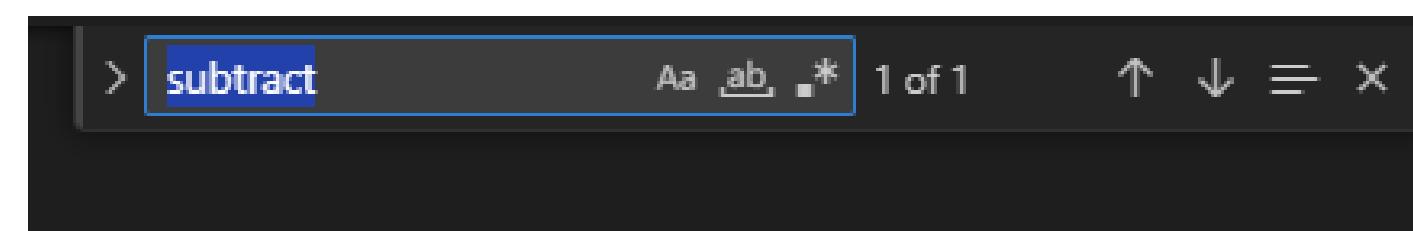
DEMO-VS-CODE

calculator.js

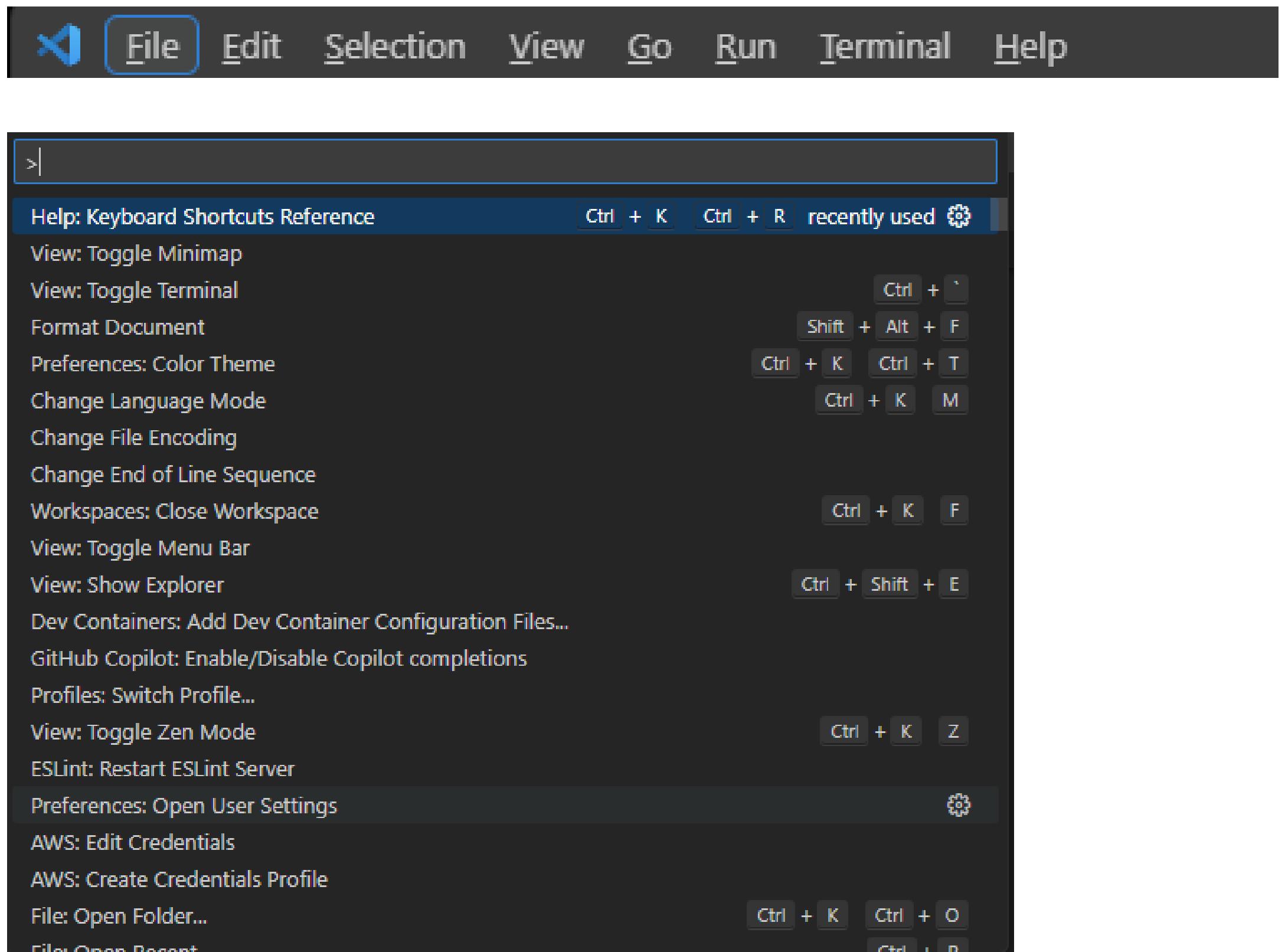
index.js

Ln 7, Col 2 Spaces: 2

# Search



# Command Palette

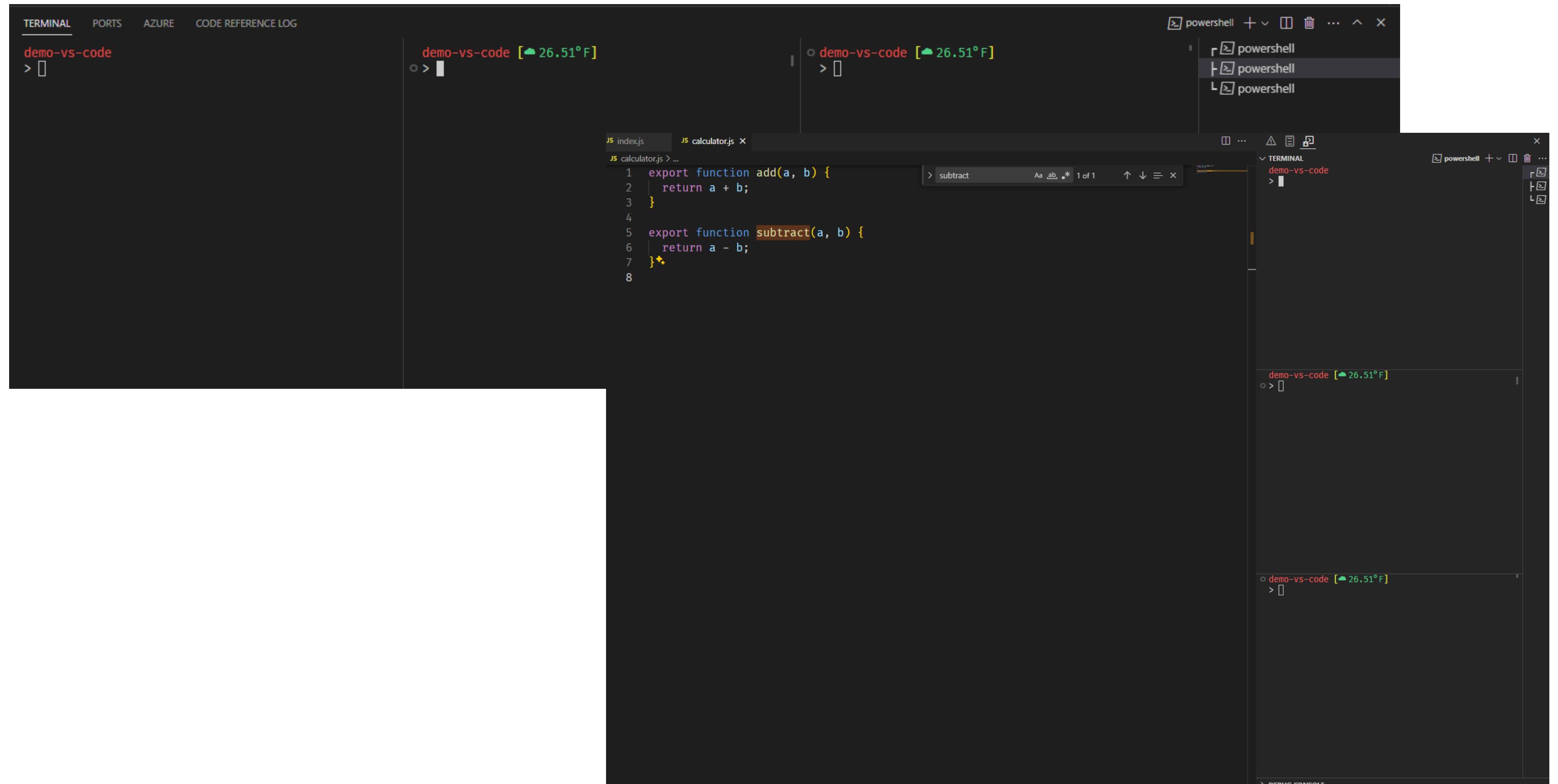


Command	Windows Shortcut	Mac Shortcut
<b>Toggle Terminal</b>	<b>Ctrl-` (tilde)</b>	<b>Cmd-` (tilde)</b>
<b>Split Active Terminal</b>	<b>Ctrl+Shift+5</b>	<b>Cmd+Shift+5</b>

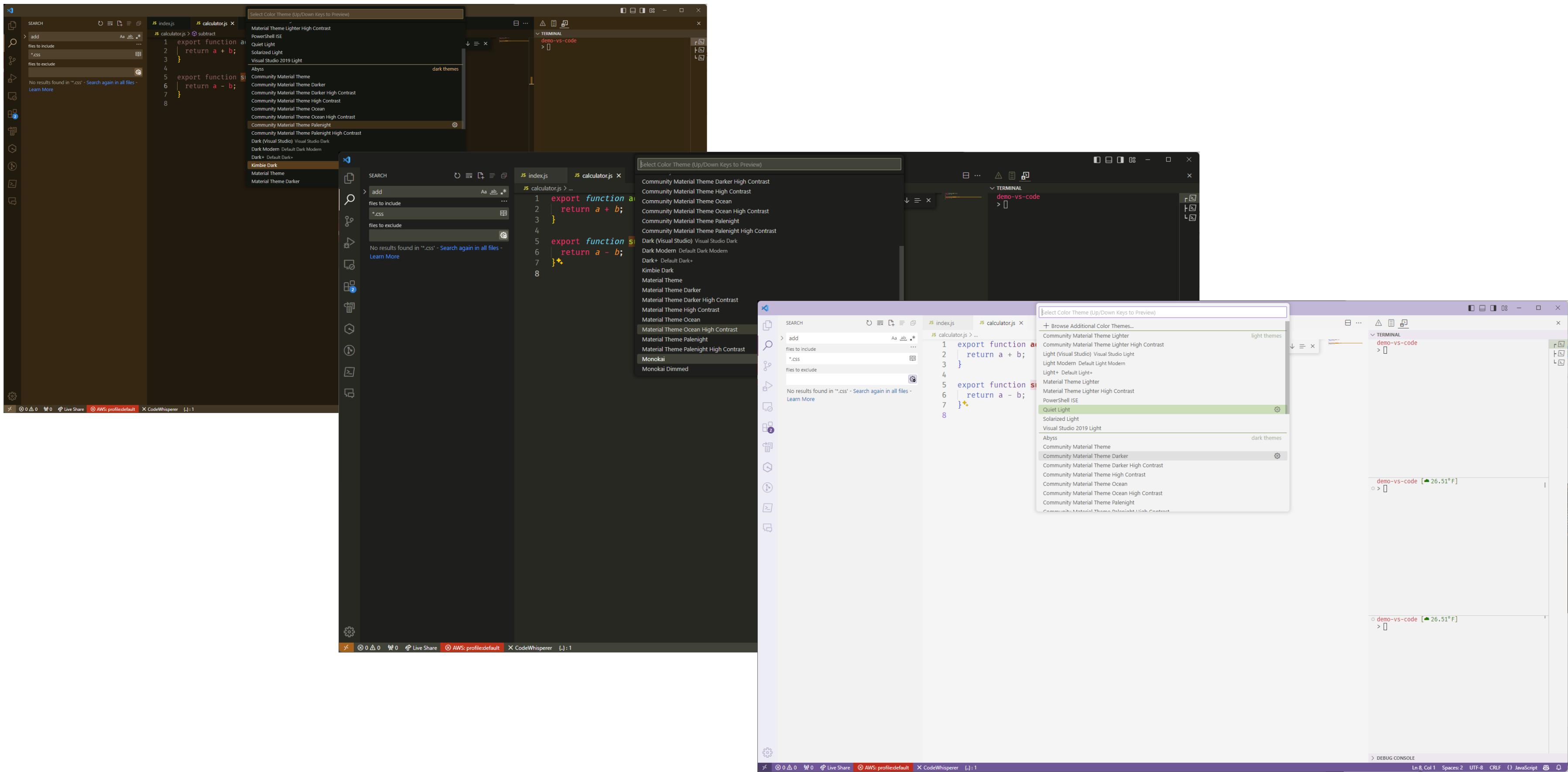
## Managing Multiple Terminals



# Splitting Terminals



# Theme

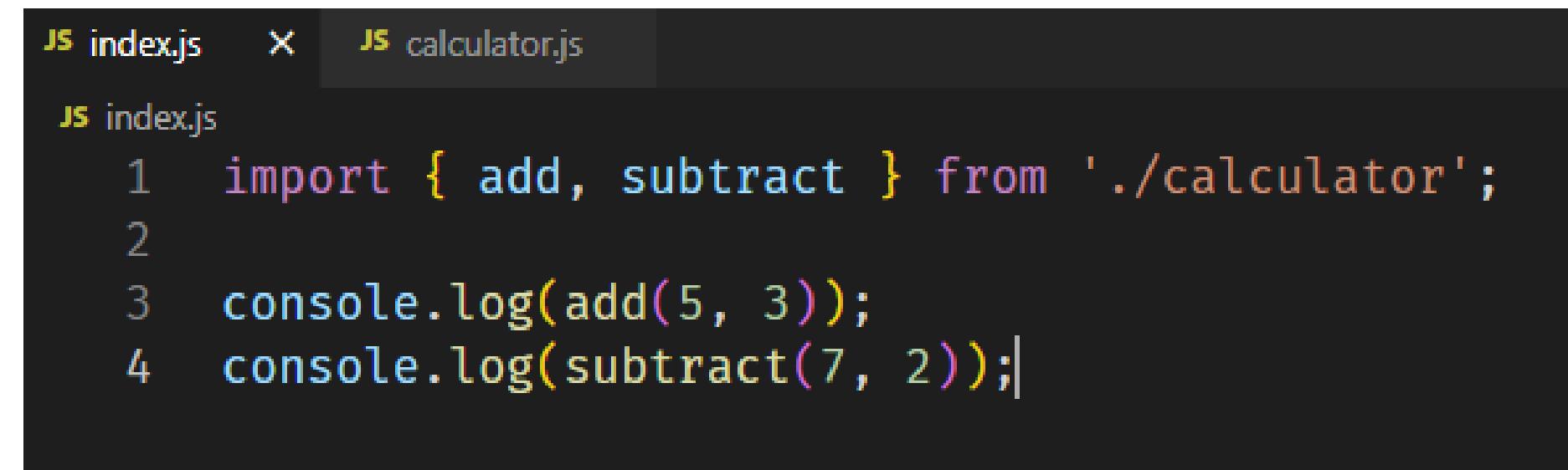


Command	Windows Shortcut	Mac Shortcut
Move Line Up / Down	Alt+UpArrow Alt+DownArrow	Option+UpArrow Option+DownArrow
Multiple Cursor Mode	Alt+Click	Option+Click
Add Cursor to End of Line (Next / Previous)	Ctrl+Alt+UpArrow Ctrl+Alt+DownArrow	Cmd+Option+UpArrow Cmd+Option+DownArrow
Format Document <i>Use Prettier, if prompted</i>	Shift+Alt+F	Shift+Option+F
Move Cursor to Word End (Next / Previous)	Ctrl+RightArrow Ctrl+LeftArrow	Cmd+RightArrow Cmd+LeftArrow
Toggle Comment	Ctrl+ /	Cmd+ /
Quick Fix	Ctrl+.	Cmd+.

## Text Editor Shortcuts



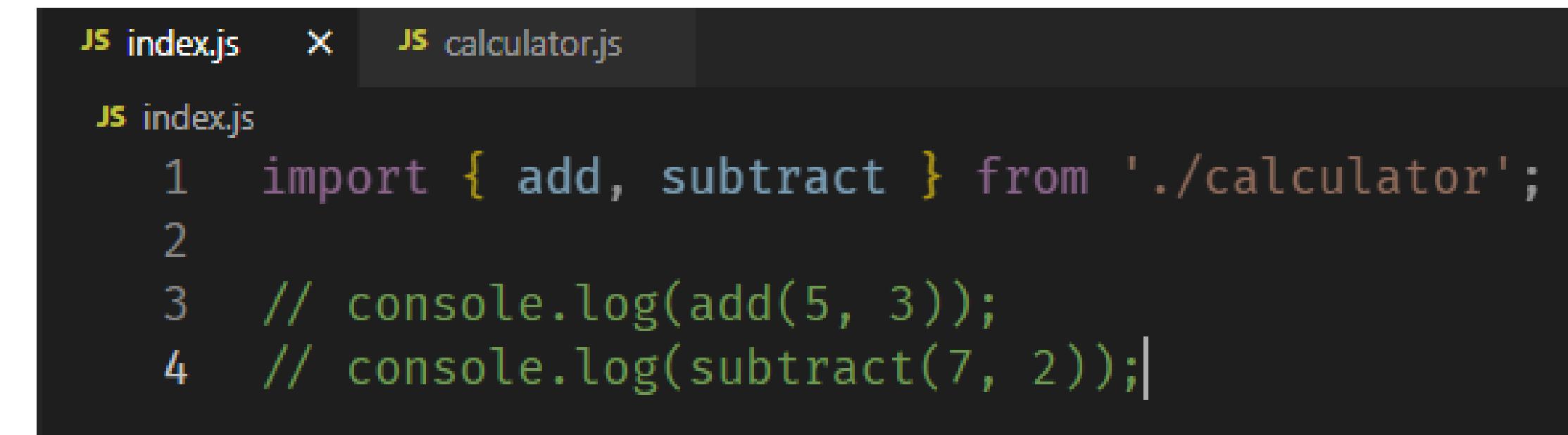
# Move Lines Up or Down



```
JS index.js    X JS calculator.js
JS index.js
1 import { add, subtract } from './calculator';
2
3 console.log(add(5, 3));
4 console.log(subtract(7, 2));
```



# Move Lines Up or Down



```
JS index.js    X JS calculator.js
JS index.js
1 import { add, subtract } from './calculator';
2
3 // console.log(add(5, 3));
4 // console.log(subtract(7, 2));|
```



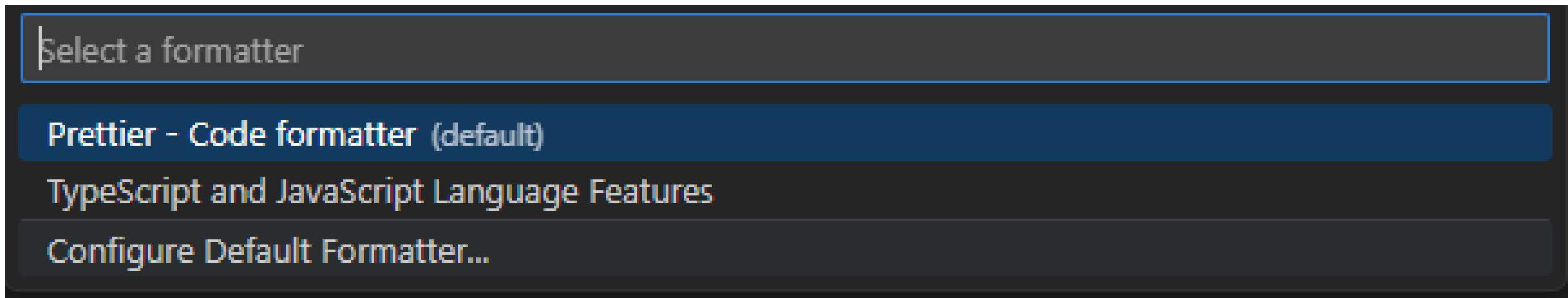
# Multiple Cursor Editing

```
import { add, subtract } from './calculator';

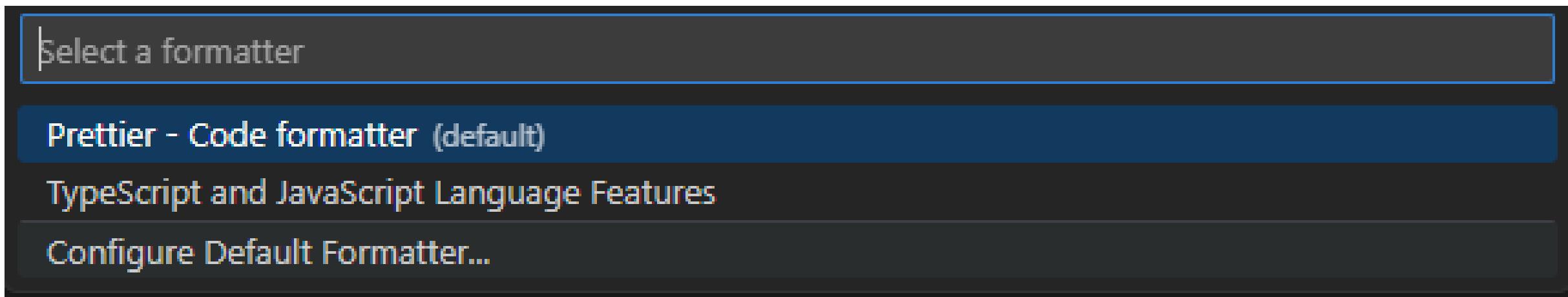
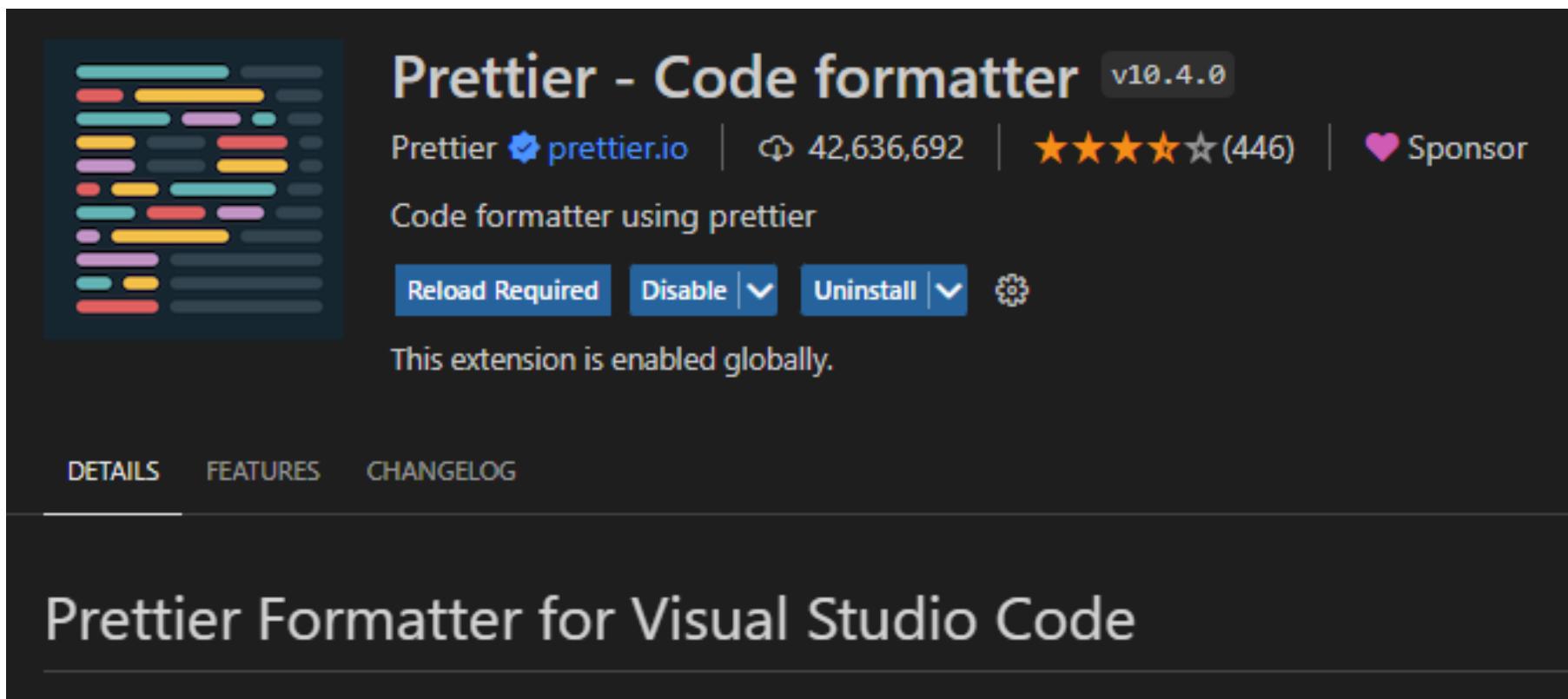
console.log(add(5, 3));
console.log(subtract(7, 2));
```



# Formatting



# Formatting + Prettier



# Format On Save

The screenshot shows the VS Code settings search interface with the query 'format on save' entered in the search bar at the top. The results are displayed under the 'User' tab. There are four settings found:

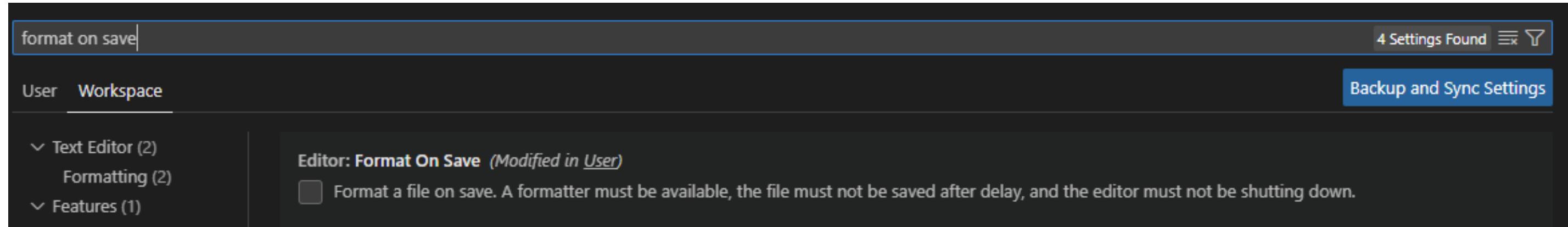
- Editor: Format On Save**: A checked checkbox setting that enables file formatting on save. It includes a note: "Format a file on save. A formatter must be available, the file must not be saved after delay, and the editor must not be shutting down."
- Editor: Format On Save Mode**: A dropdown menu currently set to 'file'. It controls whether format on save formats the whole file or only modifications. It notes: "Controls if format on save formats the whole file or only modifications. Only applies when Editor: Format On Save is enabled."
- Notebook > Format On Save: Enabled**: An unchecked checkbox setting for notebook formatting on save. It includes a note: "Format a notebook on save. A formatter must be available, the file must not be saved after delay, and the editor must not be shutting down."
- Eslint > Code Actions On Save: Rules**: A section describing the rules for code actions on save, which default to the ESLint configuration.

This screenshot shows a modal dialog titled 'Select a formatter'. It lists the current default formatter and provides options to change it or configure it.

- Prettier - Code formatter (default)**: The selected formatter, highlighted with a blue background.
- TypeScript and JavaScript Language Features**: A link to the language features documentation.
- Configure Default Formatter...**: A button to open the settings for configuring the default formatter.



# Workspace Settings

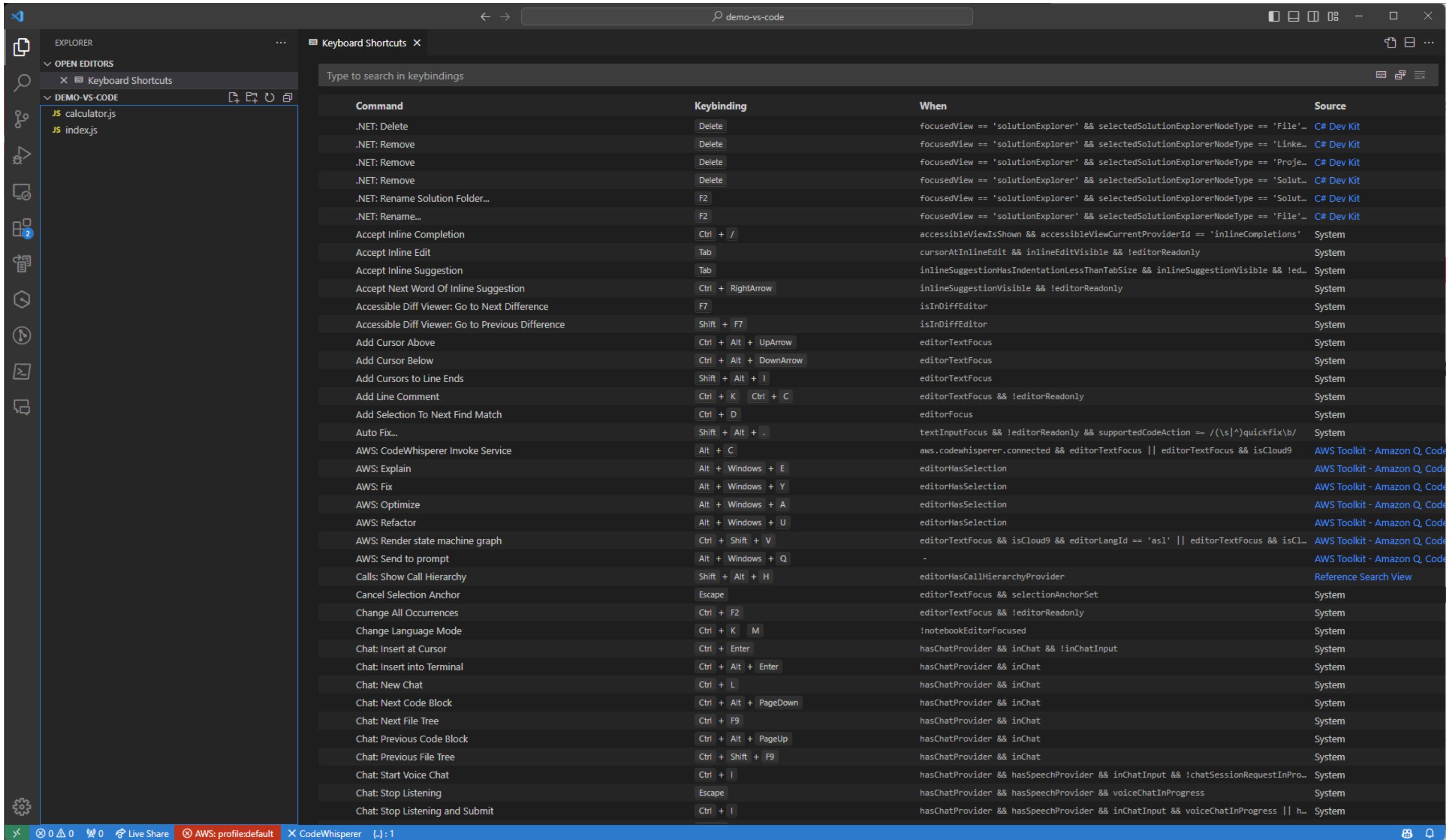


A screenshot of the VS Code editor showing the contents of the "settings.json" file. The file path is ".vscode > settings.json". The code in the editor is:

```
1 {  
2   "editor.formatOnSave": true  
3 }  
4
```



# Changing Key Bindings



The screenshot shows the VS Code interface with the "Keyboard Shortcuts" settings page open. The left sidebar displays the "OPEN EDITORS" section with files "calculator.js" and "index.js" listed under "DEMO-VS-CODE". The main area is titled "Keyboard Shortcuts" and contains a table with columns: "Command", "Keybinding", "When", and "Source". A search bar at the top of the table allows filtering by command name.

Command	Keybinding	When	Source
.NET: Delete	Delete	focusedView == 'solutionExplorer' && selectedSolutionExplorerNodeType == 'File' ...	C# Dev Kit
.NET: Remove	Delete	focusedView == 'solutionExplorer' && selectedSolutionExplorerNodeType == 'Linke... C# Dev Kit	
.NET: Remove	Delete	focusedView == 'solutionExplorer' && selectedSolutionExplorerNodeType == 'Proje... C# Dev Kit	
.NET: Remove	Delete	focusedView == 'solutionExplorer' && selectedSolutionExplorerNodeType == 'Solut... C# Dev Kit	
.NET: Rename Solution Folder...	F2	focusedView == 'solutionExplorer' && selectedSolutionExplorerNodeType == 'Solut... C# Dev Kit	
.NET: Rename...	F2	focusedView == 'solutionExplorer' && selectedSolutionExplorerNodeType == 'File' ... C# Dev Kit	
Accept Inline Completion	Ctrl + /	accessibleViewIsShown && accessibleViewCurrentProviderId == 'inlineCompletions'	System
Accept Inline Edit	Tab	cursorAtInlineEdit && inlineEditVisible && !editorReadOnly	System
Accept Inline Suggestion	Tab	inlineSuggestionHasIndentationLessThanTabSize && inlineSuggestionVisible && !ed... System	
Accept Next Word Of Inline Suggestion	Ctrl + RightArrow	inlineSuggestionVisible && !editorReadOnly	System
Accessible Diff Viewer: Go to Next Difference	F7	isInDiffEditor	System
Accessible Diff Viewer: Go to Previous Difference	Shift + F7	isInDiffEditor	System
Add Cursor Above	Ctrl + Alt + UpArrow	editorTextFocus	System
Add Cursor Below	Ctrl + Alt + DownArrow	editorTextFocus	System
Add Cursors to Line Ends	Shift + Alt + I	editorTextFocus	System
Add Line Comment	Ctrl + K Ctrl + C	editorTextFocus && !editorReadOnly	System
Add Selection To Next Find Match	Ctrl + D	editorFocus	System
Auto Fix...	Shift + Alt + .	textInputFocus && !editorReadOnly && supportedCodeAction =~ /(s ^)quickfix\b/	System
AWS: CodeWhisperer Invoke Service	Alt + C	aws.codewhisperer.connected && editorTextFocus    editorTextFocus && isCloud9	AWS Toolkit - Amazon Q, Code
AWS: Explain	Alt + Windows + E	editorHasSelection	AWS Toolkit - Amazon Q, Code
AWS: Fix	Alt + Windows + Y	editorHasSelection	AWS Toolkit - Amazon Q, Code
AWS: Optimize	Alt + Windows + A	editorHasSelection	AWS Toolkit - Amazon Q, Code
AWS: Refactor	Alt + Windows + U	editorHasSelection	AWS Toolkit - Amazon Q, Code
AWS: Render state machine graph	Ctrl + Shift + V	editorTextFocus && isCloud9 && editorLangId == 'asl'    editorTextFocus && isCl... AWS Toolkit - Amazon Q, Code	
AWS: Send to prompt	Alt + Windows + Q	-	AWS Toolkit - Amazon Q, Code
Calls: Show Call Hierarchy	Shift + Alt + H	editorHasCallHierarchyProvider	Reference Search View
Cancel Selection Anchor	Escape	editorTextFocus && selectionAnchorSet	System
Change All Occurrences	Ctrl + F2	editorTextFocus && !editorReadOnly	System
Change Language Mode	Ctrl + K M	!notebookEditorFocused	System
Chat: Insert at Cursor	Ctrl + Enter	hasChatProvider && inChat && !inChatInput	System
Chat: Insert into Terminal	Ctrl + Alt + Enter	hasChatProvider & inChat	System
Chat: New Chat	Ctrl + L	hasChatProvider & inChat	System
Chat: Next Code Block	Ctrl + Alt + PageDown	hasChatProvider & inChat	System
Chat: Next File Tree	Ctrl + F9	hasChatProvider & inChat	System
Chat: Previous Code Block	Ctrl + Alt + PageUp	hasChatProvider & inChat	System
Chat: Previous File Tree	Ctrl + Shift + F9	hasChatProvider & inChat	System
Chat: Start Voice Chat	Ctrl + I	hasChatProvider & hasSpeechProvider && inChatInput && !chatSessionRequestInPro... System	
Chat: Stop Listening	Escape	hasChatProvider & hasSpeechProvider & voiceChatInProgress	System
Chat: Stop Listening and Submit	Ctrl + I	hasChatProvider & hasSpeechProvider & inChatInput && voiceChatInProgress    h... System	

# Keyboard Shortcut References

- [\*\*https://code.visualstudio.com/shortcuts/keyboard-shortcuts-windows.pdf\*\*](https://code.visualstudio.com/shortcuts/keyboard-shortcuts-windows.pdf)
- [\*\*https://code.visualstudio.com/shortcuts/keyboard-shortcuts-macos.pdf\*\*](https://code.visualstudio.com/shortcuts/keyboard-shortcuts-macos.pdf)
- [\*\*http://aka.ms/vscodekeybindings\*\*](http://aka.ms/vscodekeybindings)



# Troubleshooting a VS Code Installation



# Troubleshooting

**Set up network connection**

**Install without administrator permissions**

**Fix code not being found in terminal**

**Fix corrupt installation popup message**



# Make Sure Your System Is Ready

**Sufficient disk space**

**Antivirus software**

**Network connectivity**

**Firewall rules**



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## OVERVIEW

## SETUP

Overview

Linux

macOS

Windows

Raspberry Pi

## Network

Additional Components

Enterprise

Uninstall

## GET STARTED

## USER GUIDE

## SOURCE CONTROL

## TERMINAL

## GITHUB COPILOT

## LANGUAGES

Edit

# Network Connections in Visual Studio Code

Visual Studio Code is built on top of [Electron](#) and benefits from all the networking stack capabilities of [Chromium](#). This also means that VS Code users get much of the networking support available in [Google Chrome](#).

## Common hostnames

A handful of features within VS Code require network communication to work, such as the auto-update mechanism, querying and installing extensions, and telemetry. For these features to work properly in a proxy environment, you must have the product correctly configured.

If you are behind a firewall that needs to allow specific domains used by VS Code, here's the list of hostnames you should allow communication to go through:

## IN THIS ARTICLE

Common hostnames

Proxy server support

Legacy proxy server support

Troubleshooting

Subscribe

Ask questions

Follow @code

Request features

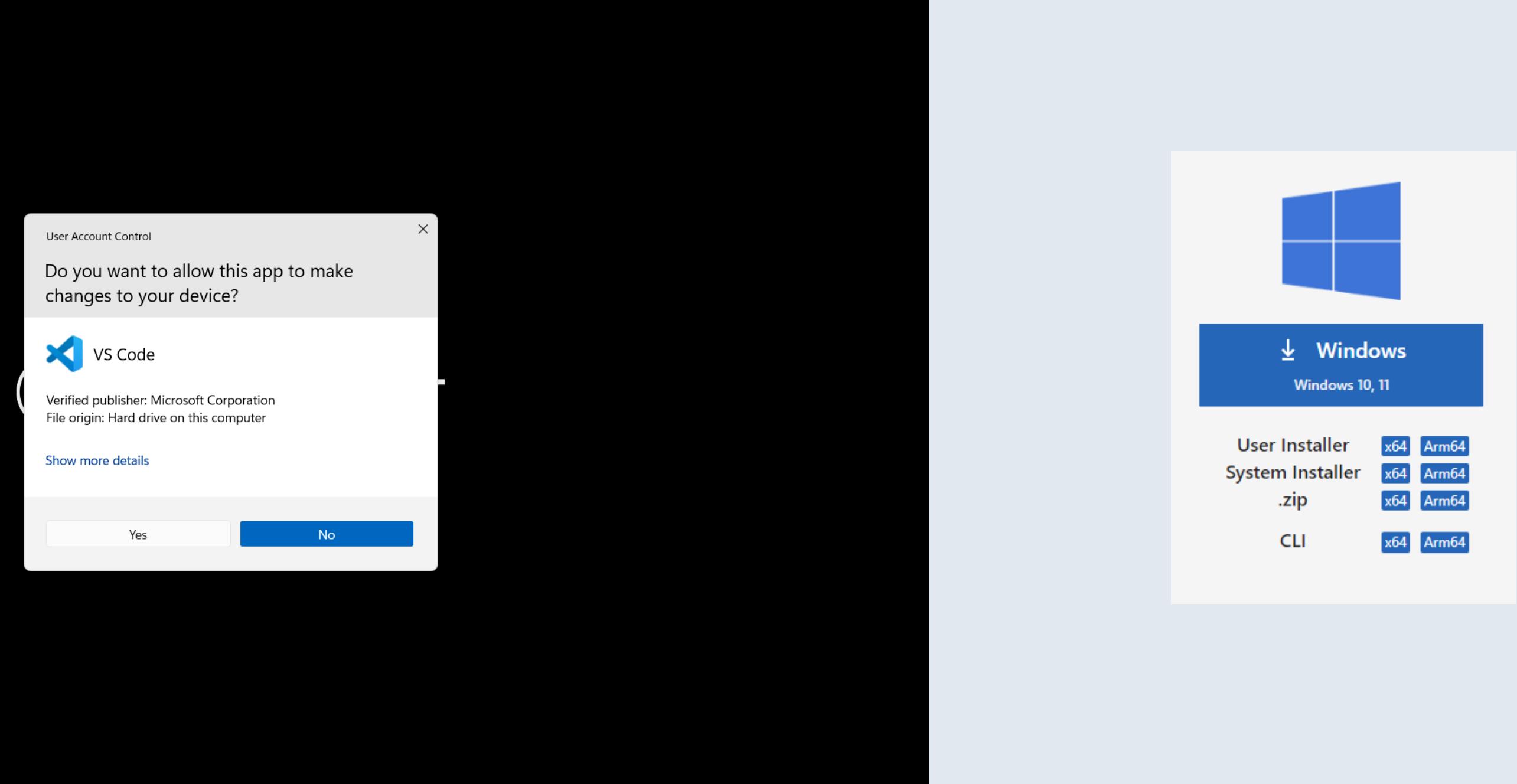
Report issues

Watch videos

# Setup Network Connection

<https://code.visualstudio.com/docs/setup/network>

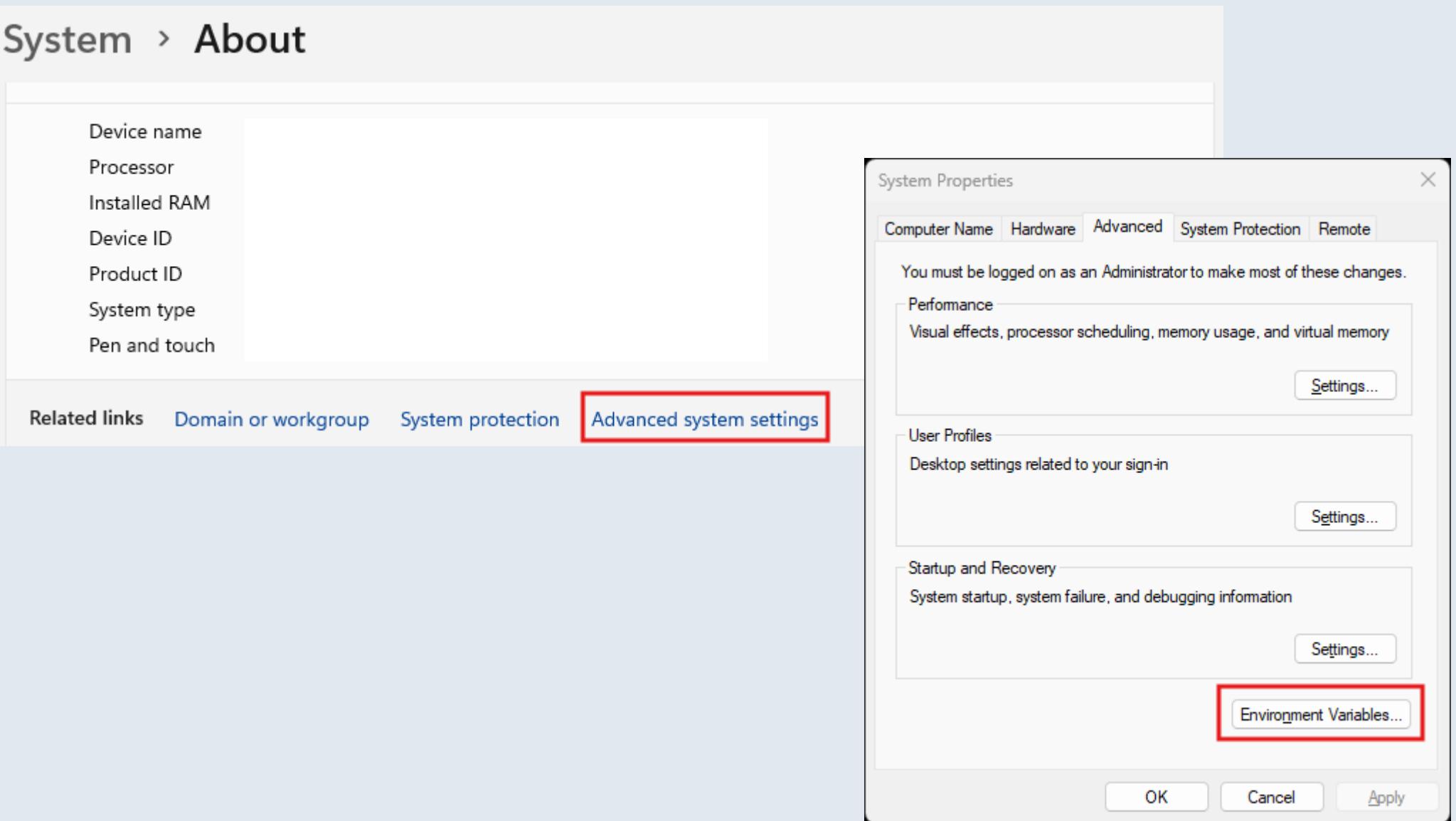
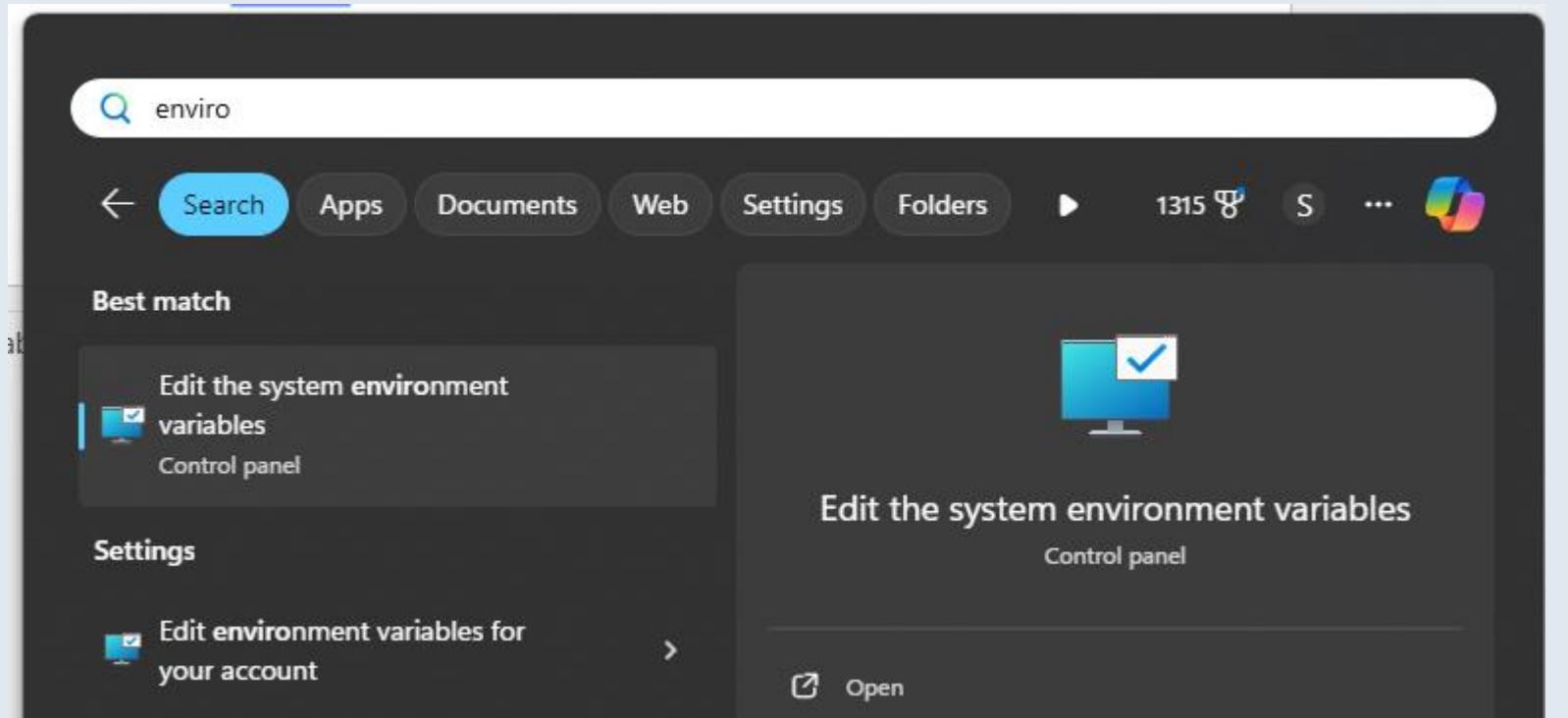




## Can't Install Without Administrator Permissions (Windows)

Try using the "User" installer from the Downloads section



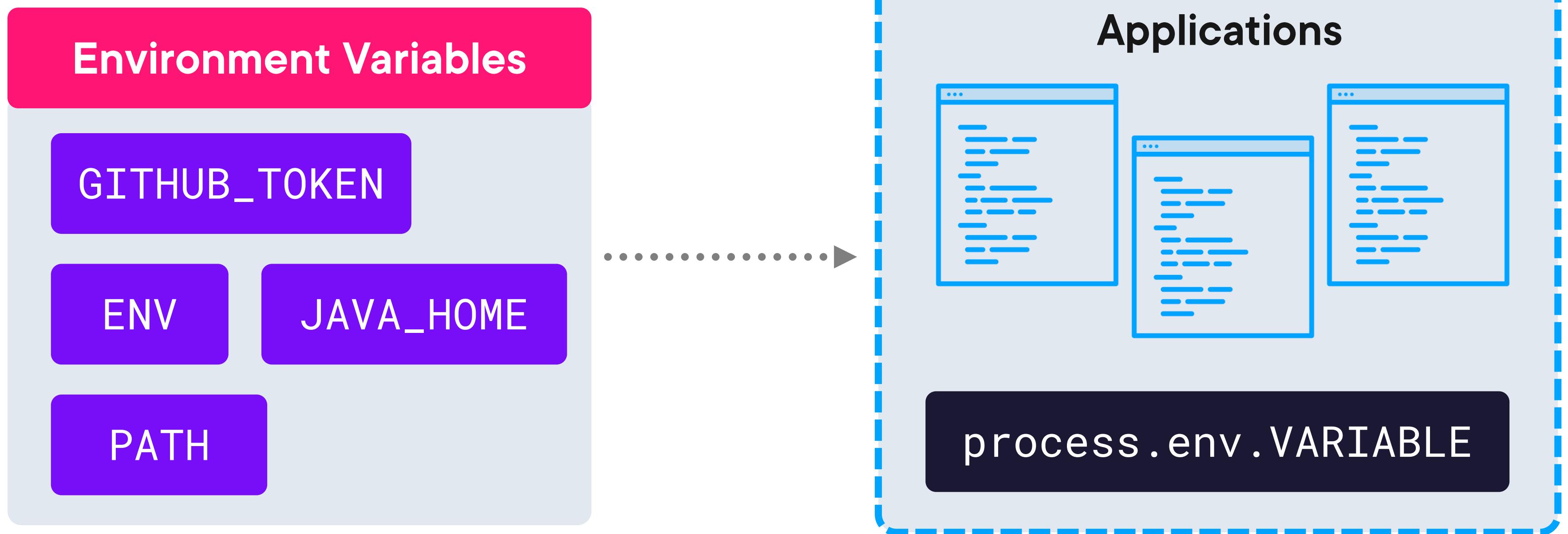


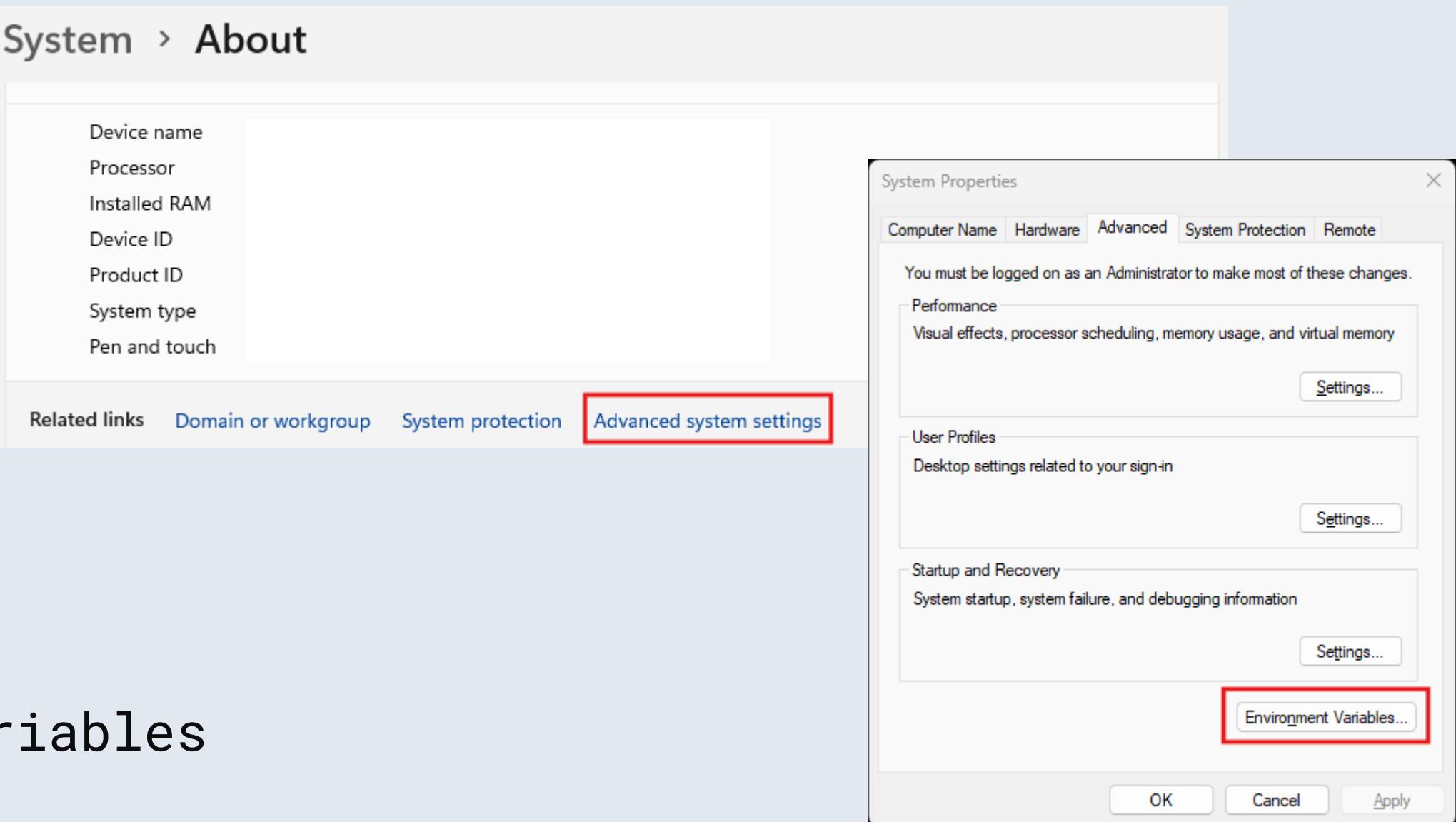
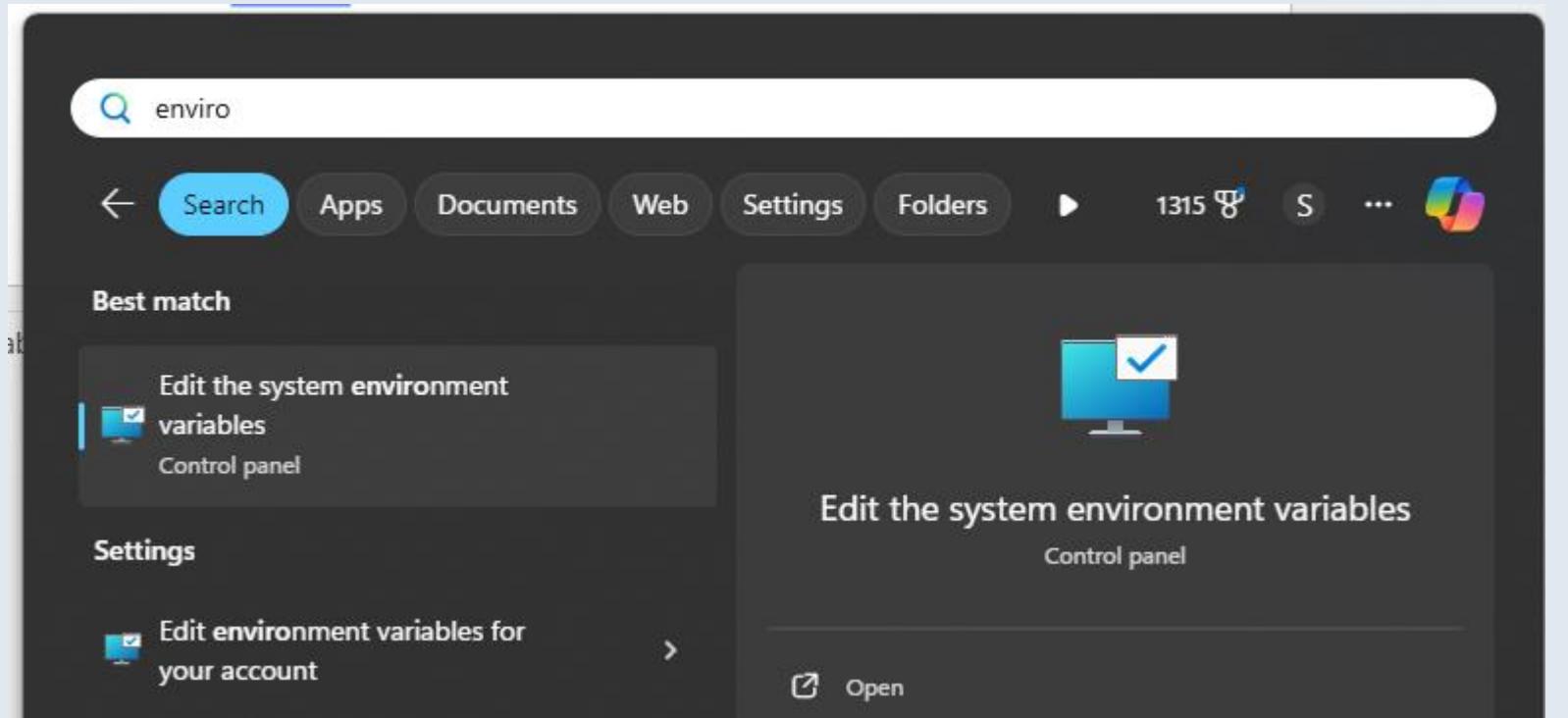
## Ensure VS Code is in PATH

For some machines, the installer may not configure PATH or the order of directories may not be correct.



# What Are Environment Variable?





rundll32 sysdm.cpl,EditEnvironmentVariables

## Ensure VS Code is in PATH (Windows)

For some machines, the installer may not configure PATH or the order of directories may not be correct.

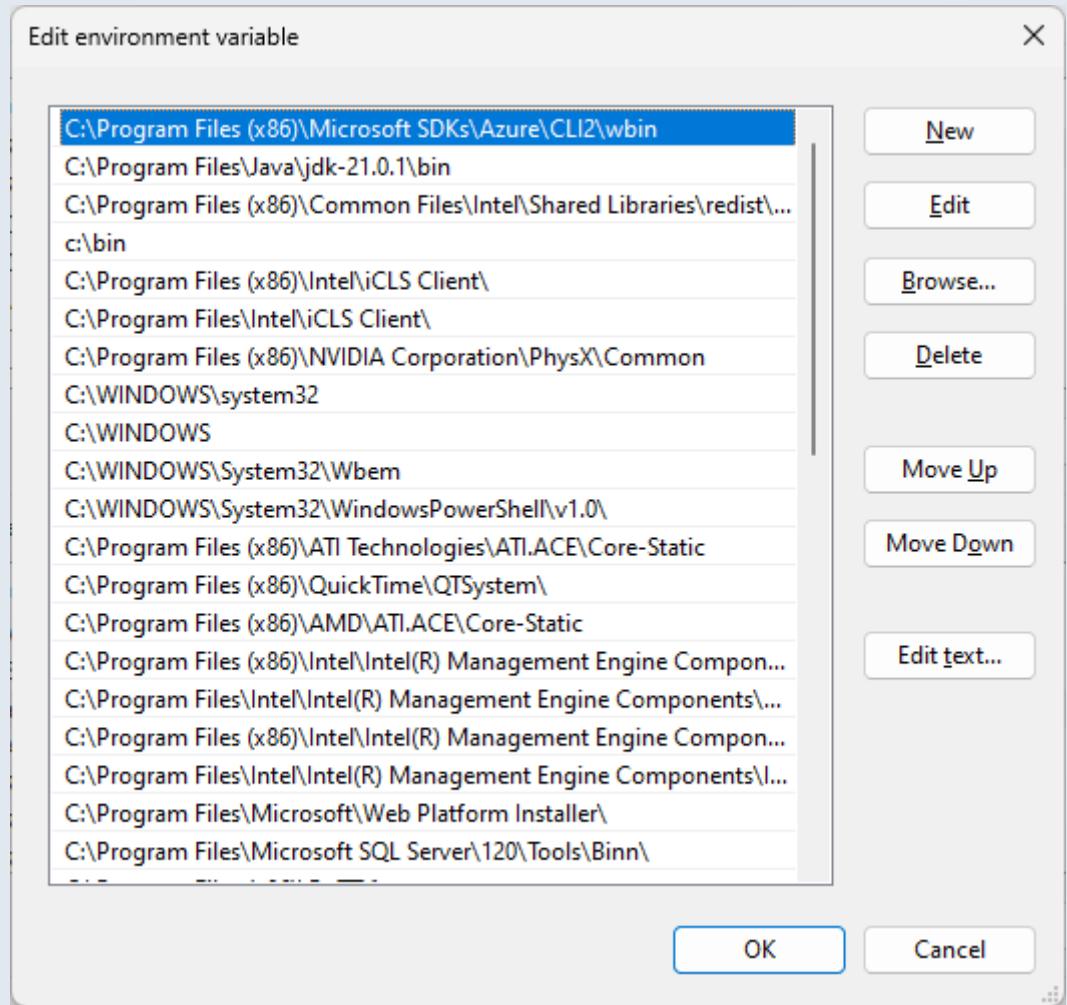


# Where Is Visual Studio Code Installed?

Windows

<https://code.visualstudio.com/docs/setup/windows>

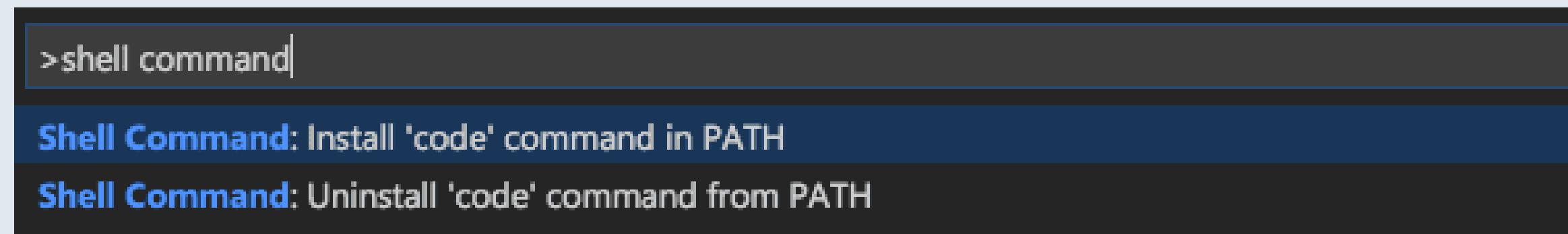




## Ensure VS Code is in PATH (Windows)

For some machines, the installer may not configure PATH or the order of directories may not be correct.





## Ensure VS Code is in PATH (Linux or Mac)

Use the Command Palette and find the "Shell command: Install 'code' command in PATH" command.



# Launch from Command Line Manual Steps

Mac

<https://code.visualstudio.com/docs/setup/mac>

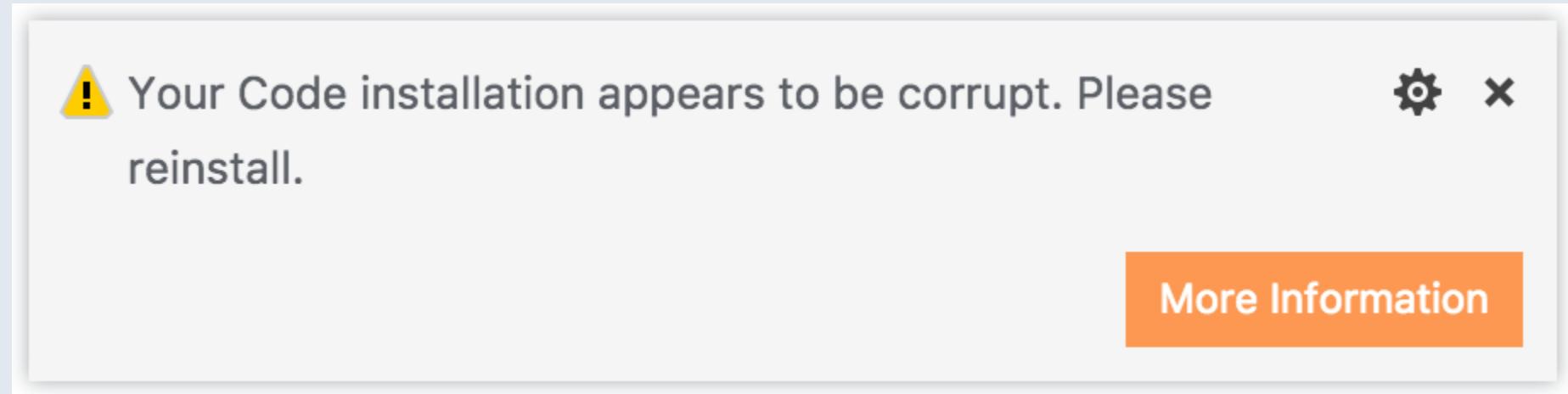
Linux

<https://code.visualstudio.com/docs/setup/linux>

Adding a directory to the PATH environment variable in Windows

<https://stackoverflow.com/questions/9546324/adding-a-directory-to-the-path-environment-variable-in-windows>





## VS Code Says Installation is Corrupt

Usually due to having a specific theme that modifies product files. Use the "Fix VS Code Checksums" extension to apply a fix.

[Fix VSCode Checksums – Visual Studio Marketplace](#)



# Need More Help?

## FAQ

<https://code.visualstudio.com/Docs/supporting/faq>

## StackOverflow

<https://stackoverflow.com/questions/tagged/visual-studio-code>



# Summary

An IDE is designed to make working on projects more efficient

Find an IDE that helps you write JavaScript the best way for your workflow

Get to know the shortcuts and practice them

You can fully customize the environment to whatever your desires are



# B-Roll: VS Code Themes

