



Basic Navigation & Editing

Core Shortcuts

<code>Ctrl+Shift+P</code> or <code>F1</code>	Show Command Palette
<code>Ctrl+P</code>	Quick Open, Go to File...
<code>Ctrl+Shift+N</code>	New VS Code instance
<code>Ctrl+S</code>	Save
<code>Ctrl+Shift+S</code>	Save As...
<code>Ctrl+X</code>	Cut line (empty selection)
<code>Ctrl+C</code>	Copy line (empty selection)
<code>Alt+Up/Down</code>	Move line up/down

Multi-Cursor & Selection

<code>Alt+Click</code>	Insert cursor
<code>Ctrl+Alt+Up/Down</code>	Insert cursor above/below
<code>Ctrl+D</code>	Select next occurrence
<code>Ctrl+K Ctrl+D</code>	Skip current occurrence
<code>Shift+Alt+I</code>	Insert cursor at end of each line selected
<code>Ctrl+Shift+L</code>	Select all occurrences of current selection

Basic Editing Actions

<code>Ctrl+Z</code>	Undo
<code>Ctrl+Y</code> or <code>Ctrl+Shift+Z</code>	Redo
<code>Ctrl+[/]</code>	Comment/uncomment line
<code>Shift+Alt+A</code>	Block comment
<code>Ctrl+K Ctrl+0</code>	Fold region
<code>Ctrl+K Ctrl+J</code>	Unfold region

Search & Replace

Find and Replace Shortcuts

<code>Ctrl+F</code>	Find
<code>Ctrl+H</code>	Replace
<code>F3</code> / <code>Shift+F3</code>	Find next/previous
<code>Alt+Enter</code>	Select all occurrences of Find match

Advanced Search

Use the Find widget (`Ctrl+F`) or Search view (`Ctrl+Shift+F`) for advanced search options. Supports regular expressions, case sensitivity, and whole word matching.

Modify settings to exclude certain files or folders from the search using `files.exclude` and `search.exclude` in `settings.json`.

Replace Functionality

The Replace feature (`Ctrl+H`) allows you to replace single or all occurrences of the found text. You can use regular expressions for more complex replacements.

Use the `Replace All` button cautiously, especially when using regular expressions, to avoid unintended changes.

Code Formatting & Refactoring

Code Formatting

<code>Shift+Alt+F</code>	Format Document
<code>Ctrl+K Ctrl+F</code>	Format Selection
<code>editor.formatOnSave</code> Save	Format on Save (setting in <code>settings.json</code>)

Refactoring

<code>F2</code>	Rename Symbol
<code>Ctrl+Shift+R</code>	Trigger Refactor

Organize Imports

Install extensions like 'Python' or 'ESLint' to enable advanced features such as organize imports and automatic code cleanup.

Use specific language features (e.g., in Python, use `Ctrl+Shift+P` then 'Organize Imports') to sort and clean up your imports.

Debugging

Debugging Basics

<code>F9</code>	Toggle breakpoint
<code>F5</code>	Start/Continue debugging
<code>Shift+F5</code>	Stop debugging
<code>F10</code>	Step over
<code>F11</code>	Step into
<code>Shift+F11</code>	Step out

Debugging Configuration

Create a `launch.json` file in the `.vscode` folder of your project to configure debugging settings for different environments and languages. This allows you to specify the program to run, arguments, and other debugging options.

Customize breakpoints by adding conditions, hit counts, and log messages to make debugging more efficient.

Useful Debugging Features

Use the Debug Console to evaluate expressions, inspect variables, and execute commands during a debugging session.

Utilize the Watch window to monitor specific variables or expressions as your code executes.