

VS CODE QUICK REFERENCE

Navigation, editing, multi-cursor, terminal, debugging, extensions

Navigation

File & Symbol Navigation

Ctrl+P	Quick Open file by name
Ctrl+Shift+P	Command Palette
Ctrl+Shift+O	Go to symbol in file
Ctrl+I	Go to symbol in workspace
Ctrl+G	Go to line number
F12	Go to definition
Alt+F12	Peek definition
Shift+F12	Find all references
Ctrl+Shift+]	Jump to matching bracket

Tab & Editor Navigation

Ctrl+Tab	Cycle through open tabs
Ctrl+1 / 2 / 3	Focus editor group 1 / 2 / 3
Ctrl+\	Split editor
Ctrl+B	Toggle sidebar
Ctrl+J	Toggle bottom panel

Editing

Line Operations

Ctrl+Shift+K	Delete entire line
Alt+Up / Down	Move line up / down
Shift+Alt+Up / Down	Copy line up / down
Ctrl+Enter	Insert line below
Ctrl+Shift+Enter	Insert line above
Ctrl+Shift+[Fold region
Ctrl+Shift+]	Unfold region

Text Manipulation

Ctrl+D	Select word (repeat to add next match)
Ctrl+Shift+L	Select all occurrences of selection
Ctrl+L	Select entire line
Ctrl+ /	Toggle line comment
Shift+Alt+A	Toggle block comment
Tab / Shift+Tab	Indent / outdent line

Multi-Cursor

Adding Cursors

Alt+Click	Add cursor at click position
Ctrl+Alt+Up / Down	Add cursor above / below
Ctrl+D	Add next occurrence of selection
Ctrl+Shift+L	Add cursor at all occurrences
Ctrl+U	Undo last cursor addition
Esc	Exit multi-cursor mode

Multi-Cursor Workflow

```
// Select a word, then Ctrl+D to add matches
// Type replacement - all cursors update
// Ctrl+Shift+L selects ALL matches at once
// Alt+Click for arbitrary cursor placement
```

Terminal

Terminal Shortcuts

Ctrl+`	Toggle integrated terminal
Ctrl+Shift+`	Create new terminal
Ctrl+Shift+5	Split terminal
Ctrl+PgUp / PgDn	Scroll terminal up / down
Ctrl+Shift+C	Copy selection in terminal
Ctrl+Shift+V	Paste into terminal

Terminal Management

Ctrl+Shift+P → Terminal: Kill	Kill active terminal
Ctrl+Shift+P → Terminal: Rename	Rename terminal tab
Terminal dropdown	Switch between terminals
terminal.integrated.shell.*	Setting to change default shell

Debugging

Debug Controls

F5	Start / continue debugging
Shift+F5	Stop debugging
Ctrl+Shift+F5	Restart debugging
F9	Toggle breakpoint
F10	Step over
F11	Step into
Shift+F11	Step out

launch.json Example

```
{
  "type": "node",
  "request": "launch",
  "name": "Run App",
  "program": "${workspaceFolder}/app.js"
}
```

Debug Features

Watch panel	Monitor expressions during debugging
Call Stack	View execution call stack
Debug Console	Evaluate expressions at breakpoint
Conditional breakpoint	Right-click breakpoint → Edit condition
Logpoint	Log message without stopping execution

Extensions

Extension Management

Ctrl+Shift+X	Open Extensions view
@installed	Filter to show installed extensions
@enabled / @disabled	Filter by enabled / disabled
@recommended	Show recommended extensions

Essential Extensions

Prettier	Code formatter (JS, TS, CSS, HTML)
-----------------	------------------------------------

ESLint	JavaScript/TypeScript linting
GitLens	Enhanced Git integration and blame
Remote - SSH	Develop on remote machines via SSH
Live Server	Local dev server with live reload
Thunder Client	REST API client inside VS Code

Settings

Accessing Settings

Ctrl+,	Open Settings UI
Ctrl+Shift+P → settings.json	Open settings JSON

Common Settings (JSON)

```
{
  "editor.fontSize": 14,
  "editor.tabSize": 2,
  "editor.formatOnSave": true,
  "editor.wordWrap": "on",
  "files.autoSave": "afterDelay"
}
```

Workspace vs User

User settings	Global, apply to all projects
Workspace settings	Per-project, in .vscode/settings.json
Workspace overrides User	Workspace settings take priority

Keyboard Shortcuts

Customization

Ctrl+K Ctrl+S	Open Keyboard Shortcuts editor
keybindings.json	JSON file for custom bindings

Essential Shortcuts

Ctrl+Shift+P	Command Palette (access everything)
Ctrl+P	Quick Open file
Ctrl+Shift+F	Search across all files
Ctrl+H	Find and replace in file
Ctrl+Shift+H	Find and replace across files
F2	Rename symbol
Ctrl+.	Quick Fix (code actions)
Ctrl+Space	Trigger IntelliSense
Ctrl+Shift+I	Format document

Git Integration

Source Control View

Ctrl+Shift+G	Open Source Control panel
+	Stage changes (in SCM view)
-	Unstage changes
Ctrl+Enter	Commit staged changes
...	More actions (push, pull, etc.)

Inline Git Features

Gutter indicators

Ctrl+Shift+P → Git: Checkout	Switch branches
Ctrl+Shift+P → Git: Pull	Pull from remote
Ctrl+Shift+P → Git: Push	Push to remote
Click gutter change	Inline diff view for modified lines

Diff & Merge

SCM → Open Changes	Side-by-side diff view
Inline diff arrows	Revert individual changes
3-way merge editor	Resolve conflicts visually (1.69+)

Common Patterns

Workspace Features

Ctrl+Shift+E	Focus file explorer
Ctrl+Shift+D	Focus debug view
Ctrl+Shift+M	Show problems panel
Ctrl+K Ctrl+T	Change color theme
Ctrl+K Z	Enter Zen mode

Snippets

```
// File → Preferences → Configure Snippets
"print": {
  "prefix": "log",
  "body": "console.log('$1');",
  "description": "Console log"
}
```

Tasks (tasks.json)

```
{
  "label": "build",
  "type": "shell",
  "command": "npm run build",
  "group": "build"
}
```