

## Code Runner

Jun Han | 37,994,267 installs | ★★★★★ (283) | Free | Sponsor

Run C, C++, Java, JS, PHP, Python, Perl, Ruby, Go, Lua, Groovy, PowerShell, CMD, BASH, F#, C#, VBScript, TypeScript, CoffeeScript, Scala, Swift, Julia, Crystal, OCaml, R, AppleScript, Elixir, VB.NET, Clojure, Haxe, Obj-C, Rust, Racket, Scheme, AutoHotkey, AutoIt, Kotlin, Dart, Pascal, Haskell, Nim, Erlang, SPWN, Pk1, Gleam, and custom command

### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

```
ext install formulahendry.code-runner
```

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### Code Runner

[Chat](#) [on gitter](#) [downloads](#) 83M [rating](#) 4.4/5 (283) [CI](#) [repo status](#)

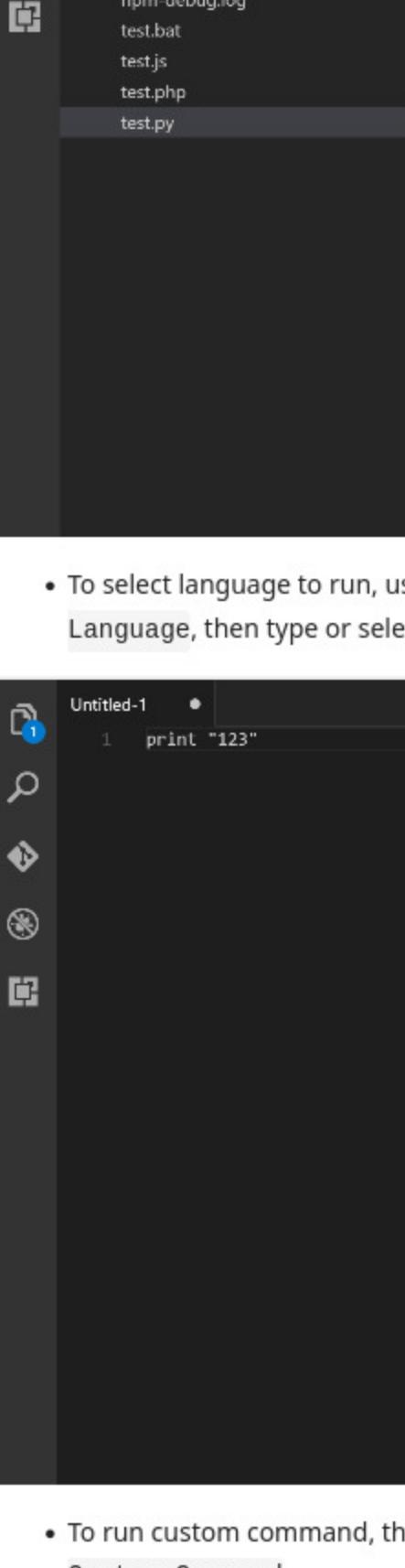
Run code snippet or code file for multiple languages: C, C++, Java, JavaScript, PHP, Python, Perl, Perl 6, Ruby, Go, Lua, Groovy, PowerShell, BAT/CMD, BASH/SH, F# Script, C# Script, C# (.NET Core), VBScript, TypeScript, CoffeeScript, Scala, Swift, Julia, Crystal, OCaml Script, R, AppleScript, Elixir, Visual Basic .NET, Clojure, Haxe, Objective-C, Rust, Racket, Scheme, AutoHotkey, AutoIt, Kotlin, Dart, Free Pascal, Haskell, Nim, D, Lisp, Kit, V, SCSS, Sass, CUDA, Less, Fortran, Ring, Standard ML, Zig, Mojo, Erlang, SPWN, Pk1, Gleam, and custom command

### Book for VS Code

[《Visual Studio Code 权威指南》](#): 带你深入浅出 VS Code!

### WeChat Official Account

VS Code 的热门文章、使用技巧、插件推荐、插件开发攻略等，请关注“玩转VS Code”公众号！



### Donation

If you like this extension, you could become a backer or sponsor via [Patreon](#), donate via [PayPal](#), or scan below QR code to donate via [Alipay](#). Any amount is welcome. It will encourage me to make this extension better and better!

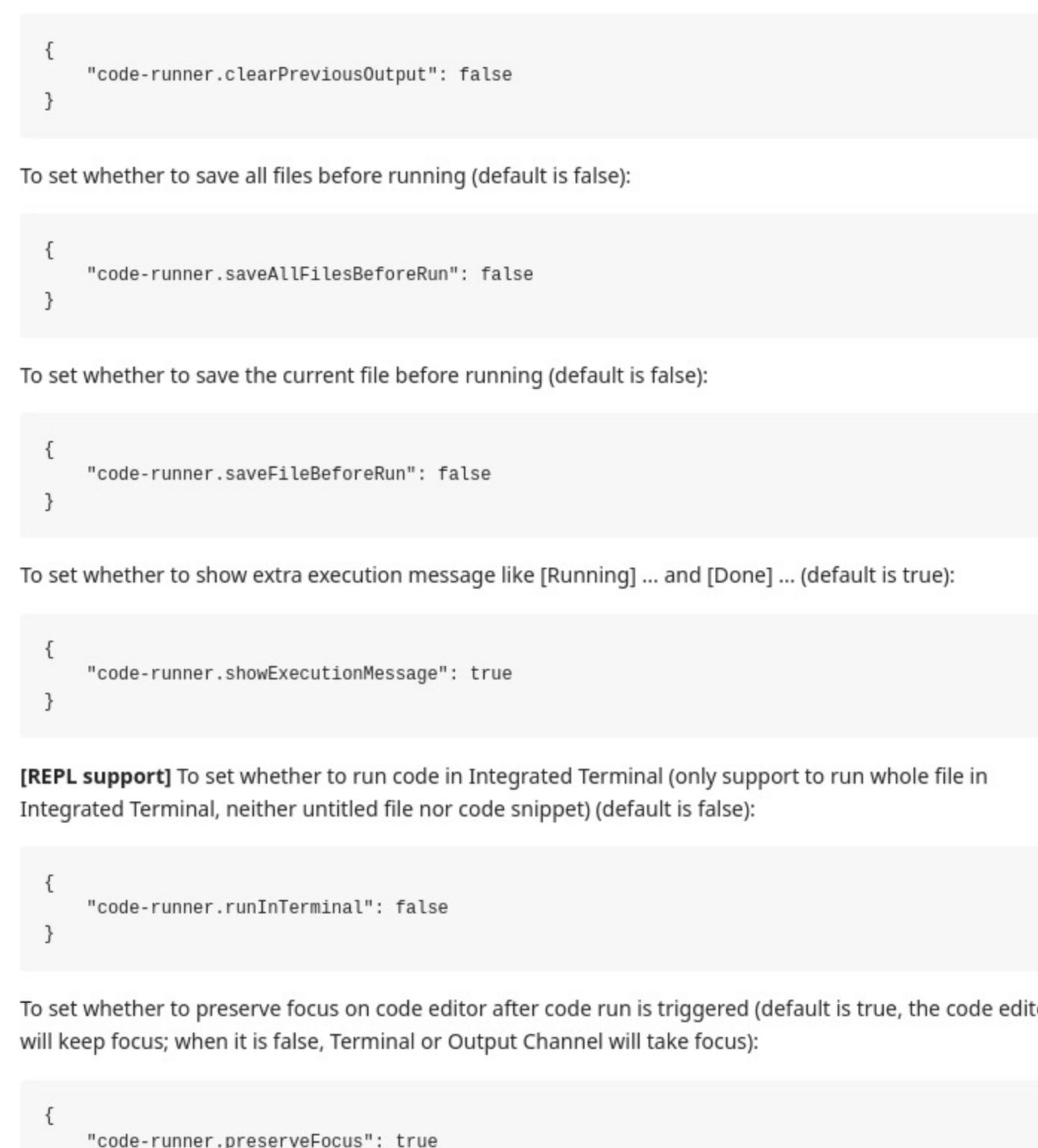


### Features

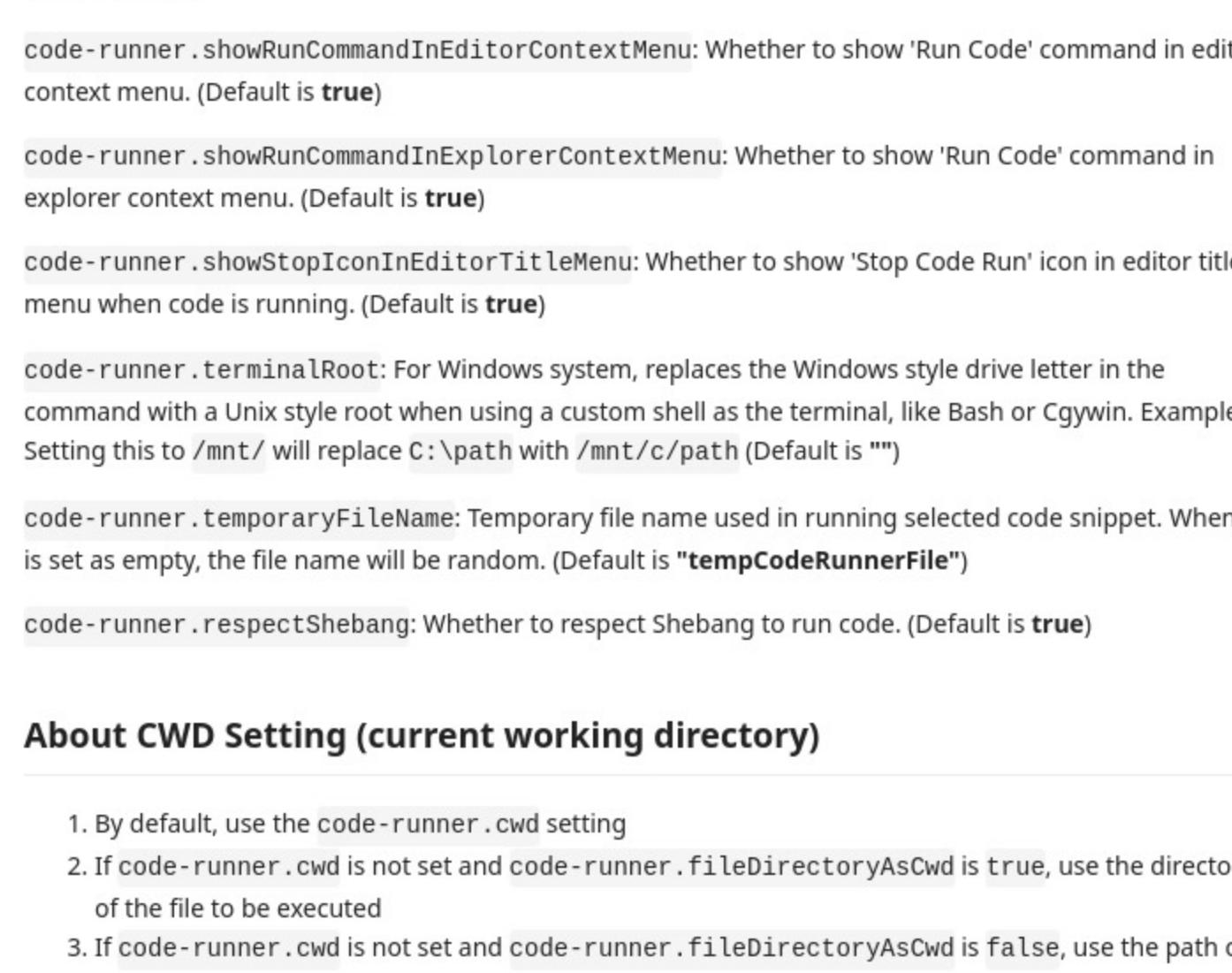
- Run code file of current active Text Editor
- Run code file through context menu of file explorer
- Run selected code snippet in Text Editor
- Run code per Shebang
- Run code per filename glob
- Run custom command
- Stop code running
- View output in Output Window
- Set default language to run
- Select language to run
- Support REPL by running code in Integrated Terminal

### Usages

- To stop the running code:
  - use shortcut Ctrl+Alt+M
  - or press F1 and then select/type Stop Code Run
  - or right click Stop Code Run button in editor title menu
  - or right click Stop Code Run button in context menu of file explorer
- To stop the running code:
  - use shortcut Ctrl+Alt+M
  - or press F1 and then select/type Stop Code Run
  - or right click Stop Code Run button in editor title menu
  - or right click the Output Channel and then click Stop Code Run in context menu



To select language to run, use shortcut Ctrl+Alt+J, or press F1 and then select/type Run By Language, then type or select the language to run: e.g php, javascript, bat, shellscript...



To select language to run, use shortcut Ctrl+Alt+J, or press F1 and then select/type Run By Language, then type or select the language to run: e.g php, javascript, bat, shellscript...

Besides, you could set the default language to run:

```
{"code-runner.defaultLanguage": "javascript"}
```

For the default language: It should be set with language id defined in [VS Code](#). The languages you could set are java, c, cpp, javascript, php, python, perl, ruby, go, lua, groovy, powershell, bat, shellscript, fsharp, csharp, vbscript, typescript, coffeescript, swift, r, clojure, haxe, objective-c, rust, racket, ahk, autoit, kotlin, dart, pascal, haskell, nim, d, lisp

Also, you could set the executor per file extension:

```
{"code-runner.executorMapByFileExtension": {".vbs": "cscript //Nologo"}}
```

To set the custom command to run:

```
{"code-runner.customCommand": "echo Hello"}
```

To set the working directory:

```
{"code-runner.cwd": "path/to/working/directory"}
```

To set whether to clear previous output before each run (default is false):

```
{"code-runner.clearPreviousOutput": false}
```

To set whether to save all files before running (default is false):

```
{"code-runner.saveAllFilesBeforeRun": false}
```

To set whether to show the current file before running (default is false):

```
{"code-runner.showFileBeforeRun": false}
```

To set whether to show extra execution message like [Running] ... and [Done] ... (default is true):

```
{"code-runner.showExecutionMessage": true}
```

[REPL support] To set whether to run code in Integrated Terminal (only support to run whole file in Integrated Terminal, neither untitled file nor code snippet) (default is false):

```
{"code-runner.runInTerminal": false}
```

To set whether to preserve focus on code editor after code run is triggered (default is true, the code editor will keep focus; when it is false, Terminal or Output Channel will take focus):

```
{"code-runner.preserveFocus": true}
```

code-runner.ignoreSelection: Whether to ignore selection to always run entire file. (Default is false)

code-runner.showRunIconInEditorTitleMenu: Whether to show 'Run Code' icon in editor title menu. (Default is true)

code-runner.showRunCommandInExplorerContextMenu: Whether to show 'Run Code' command in explorer context menu. (Default is true)

code-runner.showStopIconInEditorTitleMenu: Whether to show 'Stop Code Run' icon in editor title menu when code is running. (Default is true)

code-runner.terminalRoot: For Windows system, replaces the Windows style drive letter in the command with a Unix style root when using a custom shell as the terminal, like Bash or Cygwin. Example: Setting this to /mnt/ will replace C:\path with /mnt/c/path (Default is "")

code-runner.temporaryFileName: Temporary file name used in running selected code snippet. When it is set as empty, the file name will be random. (Default is "tempCodeRunnerFile")

code-runner.respectShebang: Whether to respect Shebang to run code. (Default is true)

### About CWD Setting (current working directory)

- By default, use the code-runner.cwd setting
- If code-runner.cwd is not set and code-runner.fileDirectoryAsCwd is true, use the directory of the file to be executed
- If code-runner.cwd is not set and code-runner.fileDirectoryAsCwd is false, use the path of root folder that is open in VS Code
- If no folder is open, use the os temp folder

### Note

- For Objective-C, it is only supported on macOS
- To run C# script, you need to install [scriptcs](#)
- To run TypeScript, you need to install [ts-node](#)
- To run Clojure, you need to install [leinigen](#) and [lein-exec](#)

### Telemetry data

By default, telemetry data collection is turned on to understand user behavior to improve this extension. To disable it, update the settings.json as below:

```
{"code-runner.enableAppInsights": false}
```

### Change Log

See Change Log [here](#)

### Issues

Submit the [issues](#) if you find any bug or have any suggestion.

### Contribution

Fork the [repo](#) and submit pull requests.

### Categories

[Programming Languages](#)

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### Works with

[Universal](#)

### Resources

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### Project Details

[formulahendry/vscode-code-runner](#)[Last Commit: 2 years ago](#)[30 Pull Requests](#)[696 Open Issues](#)

### More Info

[Version](#) 0.12.2[Released on](#) 7/14/2016, 6:13:04 PM[Last updated](#) 4/5/2024, 11:29:47 AM[Publisher](#) Jun Han[Unique Identifier](#) formulahendry.code-runner[Report](#) [Report a concern](#)