**Script**

**Run code in Atom!**

Run scripts based on file name, a selection of code, or by line number.

**Usage**

Make sure to run atom from the command line to get full access to your environment variables. Running Atom from the icon will launch using launchctl's environment.

**Script: Run** will perform a "File Based" run when no text is selected (default).

**Script: Run** while text is selected will perform a "Selection Based" run executing just the highlighted code.

**Script: Run by Line Number** to run using the specified line number. **Note** that if you select an entire line this number could be off by one due to the way Atom detects numbers while text is selected.

**Script: Configure Script** should be used to configure command options, program arguments, and environment variables overrides. Environment variables may be input into the options view in the form VARIABLE\_NAME\_ONE=value;VARIABLE\_NAME\_TWO="other value";VARIABLE\_NAME\_3='test'.

Also, in this dialog you can save options as a profile for future use. For example, you can add two profiles, one for python2.7 and another for python3 and run scripts with a specified profile, which will be more convinient than entering options every time you want to switch python versions.

**Script: Run with profile** allows you to run scripts with saved profiles. Profiles can be added in **Script: Run Options** dialog.

**Script: Kill Process** will kill the process but leaves the pane open.

**Script: Close View** closes the pane and kills the process.

To kill everything, click the close icon in the upper right and just go back to coding.

**Script: Copy Run Results** copies everything written to the output pane to the clipboard, allowing you to paste it into the editor.

**Command and shortcut reference**

| **Command** | **Mac OS X** | **Linux/Windows** | **Notes** |
| --- | --- | --- | --- |
| **Script: Run** | cmd-i | shift-ctrl-b | If text is selected a "Selection Based" is used instead of a "File Based" run |
| **Script: Run by Line Number** | shift-cmd-j | shift-ctrl-j | If text is selected the line number will be the last |
| **Script: Run Options** | shift-cmd-i | shift-ctrl-alt-o | Runs the selection or whole file with the given options |
| Script: Run with profile | shift-cmd-k | shift-ctrl-alt-b | Runs the selection or whole file with the specified profile |
| Script: Close View | esc or ctrl-w | esc | Closes the script view window |
| **Script: Kill Process** | ctrl-c | ctrl-q | Kills the current script process |

**아래는 참고로만 보자. 이렇게나 Programmin Language도 많구나.**

Currently supported grammars are:

| **Grammar** | **File Based** | **Selection Based** | **Notes** |
| --- | --- | --- | --- |
| 1C (BSL) | Yes |  | Runs through [OneScript](http://oscript.io/) interpreter in console mode |
| Ansible | Yes |  |  |
| AutoHotKey | Yes | Yes | Requires the path of 'AutoHotKey.exe' in your system environment variables. |
| AppleScript | Yes | Yes |  |
| Babel ES6 JS | Yes | Yes |  |
| Bash | Yes | Yes | The shell used is based on your default $SHELL environment variable |
| Bash Automated Test System (Bats) | Yes | Yes |  |
| Batch | Yes |  |  |
| Behat Feature | Yes |  |  |
| BuckleScript | Yes | Yes |  |
| **C** | **Yes** | **Yes** | **Only available on OSX (xcrun clang) and Linux (cc)** |
| **C#** | **Yes** | **Yes** | **Requires the path of 'csc.exe' in your system environment variables** |
| **C# Script** | **Yes** | **Yes** |  |
| **C++** | **Yes** | **Yes** | **Requires -std=c++14. Only available on OSX (xcrun clang++) and Linux (g++)** |
| Clojure | Yes | Yes | Clojure scripts are executed via [Leiningen](http://leiningen.org/)'s [exec](https://github.com/kumarshantanu/lein-exec) plugin. Both Leiningen and exec must be installed |
| CoffeeScript | Yes | Yes |  |
| CoffeeScript (Literate) | Yes | Yes | Running selections of code for CoffeeScript (Literate) only works when selecting just the code blocks |
| Crystal | Yes | Yes |  |
| Cucumber (Gherkin) | Yes |  |  |
| D | Yes | Yes |  |
| Dart | Yes | Yes |  |
| DOT (Graphviz) | Yes | Yes |  |
| Elixir | Yes | Yes |  |
| Erlang |  | Yes | Uses erl for limited selection based runs (see [#70](https://github.com/rgbkrk/atom-script/pull/70)) |
| F# | Yes |  |  |
| F\* | Yes |  |  |
| Fable | Yes | Yes |  |
| Fish | Yes | Yes | Finally, a way to run code within Atom for the 90s |
| Forth (via GForth) | Yes |  |  |
| Fortran (via gfortran) | Yes |  |  |
| Gnuplot | Yes |  |  |
| Go | Yes |  |  |
| Groovy | Yes | Yes |  |
| Haskell | Yes | Yes |  |
| **HTML** | Yes |  | Opens File in Browser |
| Hy | Yes | Yes | Requires the path of 'hy.exe' in your system environment variables. This is probably already fulfilled if you used pip install hy to get Hy. A Hy grammar, such as [this one](https://atom.io/packages/language-hy) is also a good idea. |
| IcedCoffeeScript | Yes | Yes |  |
| Inno Setup | Yes |  | Requires the path of ISCC.exe in your system environment variables |
| [Idris](http://idris-lang.org/) | Yes |  |  |
| [ioLanguage](http://iolanguage.org/) | Yes | Yes |  |
| **Java** | **Yes** |  | **Windows users should manually add jdk path (...\jdk1.x.x\_xx\bin) to their system environment variables. Project directory should be the source directory; subfolders imply packaging.** |
| **Javascript** | **Yes** | **Yes** |  |
| [JavaScript for Automation](https://developer.apple.com/library/mac/releasenotes/InterapplicationCommunication/RN-JavaScriptForAutomation/Articles/Introduction.html) (JXA) | Yes | Yes |  |
| Jolie | Yes |  |  |
| Julia | Yes | Yes |  |
| **Kotlin** | Yes | Yes |  |
| LAMMPS | Yes |  | Only available on Linux and macOS. Requires 'lammps' to be in path. |
| LaTeX (via latexmk) | Yes |  |  |
| LilyPond | Yes |  |  |
| Lisp (via SBCL) | Yes | Yes | Selection based runs are limited to single line |
| Literate Haskell | Yes |  |  |
| LiveScript | Yes | Yes |  |
| Lua | Yes | Yes |  |
| Lua (WoW) | Yes | Yes |  |
| Makefile | Yes | Yes |  |
| [MATLAB](http://mathworks.com/products/matlab) | Yes | Yes |  |
| MIPS | Yes |  | Requires the path of spim in your system environment variables |
| MongoDB | Yes | Yes |  |
| MoonScript | Yes | Yes |  |
| [NCL](http://ncl.ucar.edu/) | Yes | Yes | Scripts must end with exit command for file based runs |
| newLISP | Yes | Yes |  |
| Nim (and NimScript) | Yes |  |  |
| NSIS | Yes | Yes |  |
| Objective-C | Yes |  | Only available on OSX (xcrun clang) |
| Objective-C | Yes |  | Only available on OSX (xcrun clang++) |
| OCaml | Yes |  |  |
| Octave | Yes | Yes |  |
| [Oz](https://mozart.github.io/) | Yes | Yes |  |
| **Pandoc Markdown** | Yes |  | Requires the panzer pandoc wrapper <https://github.com/msprev/panzer> and the pandoc-flavored-markdown language package in Atom <https://atom.io/packages/language-pfm> |
| Perl | Yes | Yes |  |
| Perl 6 | Yes | Yes |  |
| **PHP** | **Yes** | **Yes** |  |
| PostgreSQL | Yes | Yes | Requires the atom-language-pgsql package in Atom <https://atom.io/packages/language-pgsql>. Connects as user $PGUSER to database $PGDATABASE. Both default to the operating system's user name and both can be set in the process environment or in Atom's init.coffee script: process.env.PGUSER = ⟨username⟩ and process.env.PGDATABASE = ⟨database name⟩ |
| PowerShell | Yes | Yes |  |
| Processing | Yes |  | Runs through processing-java. |
| Prolog | Yes |  | Scripts must contain a rule with the head main (e.g.main:- parent(X,lucas),writeln(X).). The script is executed with the goal main and is halted after the first result is found. The output is produced by the writeln/1 predicates. It requires swipl |
| PureScript | Yes |  | Requires pulp to be in path. |
| **Python** | **Yes** | **Yes** |  |
| R | Yes | Yes |  |
| Racket | Yes | Yes |  |
| [RANT](https://github.com/TheBerkin/Rant) | Yes | Yes |  |
| Reason | Yes | Yes |  |
| Ren'Py | Yes | No | Requires renpy to be in path. Runs project at root of current file. |
| Robot Framework | Yes | No | Requires robot to be in path. Output location depends on CWD behaviour which can be altered in settings. |
| RSpec | Yes | Yes |  |
| **Ruby** | **Yes** | **Yes** |  |
| Ruby on Rails | Yes | Yes |  |
| Rust | Yes |  |  |
| Sage | Yes | Yes |  |
| Sass/SCSS | Yes |  |  |
| Scala | Yes | Yes |  |
| Scheme | Yes | Yes |  |
| Shell Script | Yes | Yes | The shell used is based on your default $SHELL environment variable |
| Standard ML | Yes |  |  |
| Stata | Yes | Yes | Runs through Stata. Note stata needs to be added to your system PATH for this to work. Mac directions <http://www.stata.com/support/faqs/mac/advanced-topics/>\_ . |
| **Swift** | Yes |  |  |
| Tcl | Yes | Yes |  |
| TypeScript | Yes | Yes | Requires ts-node <https://github.com/TypeStrong/ts-node> |
| **VBScript** | Yes | Yes |  |
| Zsh | Yes | Yes | The shell used is based on your default $SHELL environment variable |

**NOTE**: Some grammars may require you to install [a custom language package](https://atom.io/search?utf8=%E2%9C%93&q=language).

You only have to add a few lines in a PR to support another.