

SM note 2:

What IDE (integrated development environment) or Editor do I need? How to run/execute Perl script?

Answer: After reviewing multiple options,

IDE point of view Padre and Epic it seems both are good choices for Execution + Syntax and also Edit (ref: <https://www.dunebook.com/best-perl-ide-and-editors/>). Disadvantage of IDE unlike Editors is that a) IDE are heavy weight applications b) Don't support multiple languages so got to learn again each time.

Editor point of view that can do not only Edit but also does Execution + Syntax support, github's Atom is great cause a) Atom is light weight application unlike IDE b) Atom is more amenable to multiple languages and features so there's the comfort level that comes from using Atom previously.

- For Syntax on Atom: install "language-<program language>" package "language-perl" from withing Atom using >Packages > Settings View > Install Packages/Themes > search package name > click install. This "adds syntax highlighting and snippets to <program language> files in Atom". The file extension tells atom what language it is, .pl for Perl, .py for Python, .js for JavaScript and .java for Java. Perl "language-perl" <https://atom.io/packages/language-perl>, Python "language-python" <https://atom.io/packages/language-python>, JavaScript "language-javascript" <https://atom.io/packages/language-javascript>, Java "language-java" <https://atom.io/packages/language-java> and other languages too.
- For Execution on Atom: Atom can also execute/run scripts if we install package "script" from withing Atom, to run script file click Packages > Script > Run Script or shortcut Ctrl+Shift+B, output shows in tiny space below script file, if click 'show in new tab' icon it shows the output in new tab of Atom. Perl <https://youtu.be/KzEuTjNwzvK>, Python <https://youtu.be/QuiquBXdA1o>, JavaScript <https://youtu.be/Aj7lah4ksH8>, Java <https://youtu.be/Wg5Peun14YM> and other languages too.
- For Terminal window on Atom: On Atom we can type in terminal window install package "terminal-plus" from withing Atom <https://atom.io/packages/terminal-plus>.
- Additional IDE features for Atom: Its not essential I think, but additional packages are available on Atom for more IDE type features. To find this type "Atom <language name> IDE" in search engine and follow instructions.

Here are the details of Atom installation

(Also described in '2.2_Instal_Ubuntu_different_software.pdf' file)

#####Install Code Editor works for multiple programing languages Atom (GitHub's Code Editor, MIT license)

On Ubuntu (linux OS), Windows OS or Apple Mac OS laptop/computer#####

Ref : <https://www.softwaretestinghelp.com/visual-studio-code-vs-atom/>

Getting Started Tutorial(s) free

<https://www.tutorialspoint.com/atom/index.asp>

<https://www.datacamp.com/community/tutorials/ide-atom>

Install Atom on Windows Ref

Video: https://www.youtube.com/watch?v=nshxC0YO_X0

Written: <https://flight-manual.atom.io/getting-started/sections/installing-atom/#platform-windows>

Install Atom on Linux/Ubuntu Ref

```
# Video: https://youtu.be/lzo9YFgJUFI
# Written: https://flight-manual.atom.io/getting-started/sections/installing-atom/#platform-
linux
# Install Atom on Mac Ref
# Video: https://youtu.be/EyG20hhON6E
# Written: https://flight-manual.atom.io/getting-started/sections/installing-atom/#platform-
mac
#
# Atom and VS Code are code editors that allow for code writing, editing, execution and
viewing of results
# in same window. Both have plugging to enable suggestion prompts to help write code
# and this is called IDE (Interactive Development Environment) functionality.
# With plugins, especially AI code support Kite (installation described later) coding
#
# Description below is for Ubuntu
# Type following commands on Ubuntu Terminal to install Atom
wget -qO - https://packagecloud.io/AtomEditor/atom/gpgkey | sudo apt-key add -
sudo sh -c 'echo "deb [arch=amd64] https://packagecloud.io/AtomEditor/atom/any/ any
main" > /etc/apt/sources.list.d/atom.list'
sudo apt-get update
sudo apt-get install atom
sudo apt-get install atom-beta
# To launch Atom for use, type in Terminal command below
# or find it under the "show applications" 9-dot icon by typing Atom > double click icon
atom
# To close Atom, close the Atom window or click File > quit/exit
```

end of SM note 2