

Your editor and you!

Learning a good editor will help you write code faster!

Atom supports keyboard shortcuts for quickly

copying lines

jumping to a line number (good for finding errors)

Learn more: <https://flight-manual.atom.io/using-atom/>

Popular editors: vim, emacs, sublime, atom

Vim

Powerful code editor

But with a steep learning curve

Run with vim at the command line

To exit, type Esc and then :q!

Vi (or vim) always available when ssh-ing to a remote computer so good to know the basics

Vim for Atom

Atom has a plug-in that supports vim key bindings

To install: `apm install vim-mode-plus`

To enable/disable:

Open settings: `Ctrl-Shift-P` and search for settings view

Under Plugins, search for vim-mode-plus

Vim basics

To enter editing mode: **i**

To exit editing mode: **Esc**

To delete: **x**

To undo: **u**

To redo: **Ctrl-r**

To save a file: **Esc** then **:w**

Try **vimtutor** to learn more and practice!

Vim reference: <https://vim.rtorr.com/>

Vim text editing

i insert character before current position

I insert text at the beginning of a line

a append character after current position

A append text at the end of the line

o open a new line after the current line (e.g. write below)

O open a new line above the current line (e.g. write above)

>> Increase indent; **<<** Decrease indent

Vim deletion and substitution

x delete current character

dd (delete) cuts the current line (it can be pasted with **p**)

cw delete the current word and enter insert mode (useful for replacing text)

r replace a single character (useful for changing indices!)

R replace multiple characters

~ toggle between lowercase and uppercase

Vim copy and paste

y (yank) Copy the current line

p (paste) Paste the copied line

Shift-V (Block mode) Select multiple lines (type **y** to copy them)

Ctrl-V (Visual block mode) Select multiple lines to edit simultaneously

ex: commenting out blocks of text

. (dot or period) Repeat the previous command (good for repetitive changes)

Vim navigation

:<line number> Go to line

<linenumber>G Go to line

Ctrl-f forward one page; **Ctrl-b** backward one page

G Goto end of file

gg Goto beginning of file

0 goto begining of line; **\$** goto end of line

w skip forward to beginning of next word; **e** skip to end of next word

b skip backward one word

Vim search

% jump to matching (), {}, []

* jump to next word matching current one (# searches backwards)

/ enter a word to search, n jumps to next occurrence; N jumps to previous

Vim editing commands follow a pattern

[Operator][Number][Motion]

Operators

d delete (works like cut)

c change

y yank

p paste

r replace

Number

An integer representing
how many times to repeat
the operator

Motion

w Until start of next word

e Until end of current word

\$ To the end of the line

Ex. **d2w** deletes 2 words

Ex. **d\$** cuts to end of line