CHEAT SHEET: Vim

Operators

i **I**nsert (`I` to insert at start of line)
d **D**elete (`x` deletes a character, `D` deletes the rest of the line, `dd` deletes whole line)
c **C**hange (`r` changes a character, `C` changes the rest of the line, `cc` changes whole line)
a **A**ppend (`A` to append at start of line)
s Substitute character (`S` substitutes line)
R **R**eplace characters (like insert, but overwrites)

Motions

w Start of next **w**ord (`W` considers-this-one-word)
b **B**ack to previous word (`B` same as above)
e **E**nd of current word (`E` same as above)
0, $ Start of line, End of line
% Matching parenthesis
v Visual selection

Editing

u Undo (`U` to undo changes in line)
CTRL + R Go to newest change
. Repeat last command
J Join line below to current line
xp Transpose two characters

Navigating

h,j,k,l Move left, down, up, right
gj, gk Move visually down and up
CTRL + O Go to where you came from

CTRL + I Go forward
G Go To command (`5G` goes to line 5)
gg Go to start of file (`G` for end of file)
H Go to highest line shown
M Go to middle line shown
L Go to lowest line shown
zz Center line (`zt`/`zb` to center top/bottom)
CTRL + E Move screen towards **e**nd (`Y` for up)
CTRL + D Move cursor half a screen **d**own (`U` for up)

Inserting and Appending

o Open blank line below cursor
O Open blank line above cursor

Cutting and Pasting

y Yank (copy) (`yy` yanks whole line)
p Paste after cursor (`P` to paste before cursor)

Searching and Replacing

* Search for current word
/*pattern* Search for *pattern*
/*pattern*\c Search and ignore case
?*pattern* Search backward for *pattern*
n **N**ext match in same direction
N Next match in opposite direction
:%s/old/new/g Substitute old with new
:%s/old/new/gc With confirmations
:a,bs/old/new/g Substitute globally in lines

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a to b, use `:s/old/new/g` for this line

Working with files

:e *filename* Edit *filename* in new buffer
:bn Go to next buffer (`:bnext`)
:bp Go to previous buffer (`:bprev`)
:bd Delete buffer (close file)
:sp *filename* Open *filename* in new buffer and split window
ctrl+ws Split windows
ctrl+ww Switch between windows
ctrl+wq Quit window
ctrl+wv Split windows vertically

Exiting

Esc Exit insert mode
:w Write (save) the file
:q Quit (fails if changes have been made)
:q! Quit and throw away changes
:!<cmd> Execute external command `cmd`

Examples

[number] Motion
9j Moves 9 lines down
Operator [number] Motion
d3w **D**elete **3** **w**ords
c$ **C**hange to end of line
ciw **C**hange **i**nner **w**ord
daw **D**elete **a**round **w**ord (includes whitespace)