Vim Cheat Sheet

Cursor movement

h - move cursor left

j - move cursor down

k - move cursor up

l - move cursor right

w - jump forwards to the start of a word

W - jump forwards to the start of a word (words can contain punctuation)

e - jump forwards to the end of a word

E - jump forwards to the end of a word (words can contain punctuation)

b - jump backwards to the start of a word

B - jump backwards to the start of a word (words can contain punctuation)

0 - jump to the start of the line

^ - jump to the first non-blank character of the line

$ - jump to the end of the line

G - go to the last line of the document

5G - go to line 5

fx - jump to next occurrence of character x

tx - jump to before next occurrence of character x

} - Jump to next paragraph (or function/block, when editing code)

{ - Jump to previous paragraph (or function/block, when editing code)

Insert mode - inserting/appending text

i - insert before the cursor

I - insert at the beginning of the line

a - insert (append) after the cursor

A - insert (append) at the end of the line

o - append (open) a new line below the current line

O - append (open) a new line above the current line

ea - insert (append) at the end of the word

Esc - exit insert mode

Editing

r - replace a single character

J - join line below to the current one

cc - change (replace) entire line

cw - change (replace) to the end of the word

c$ - change (replace) to the end of the line

s - delete character and substitute text

S - delete line and substitute text (same as cc)

xp - transpose two letters (delete and paste)

u - undo

Ctrl + **r** - redo

. - repeat last command

Marking text (visual mode)

v - start visual mode, mark lines, then do a command (like y-yank)

V - start linewise visual mode

o - move to other end of marked area

Ctrl + **v** - start visual block mode

O - move to other corner of block

aw - mark a word

ab - a block with ()

aB - a block with {}

ib - inner block with ()

iB - inner block with {}

Esc - exit visual mode

Visual commands

> - shift text right

< - shift text left

y - yank (copy) marked text

d - delete marked text

~ - switch case

Cut and paste

yy - yank (copy) a line

2yy - yank (copy) 2 lines

yw - yank (copy) word

y$ - yank (copy) to end of line

p - put (paste) the clipboard after cursor

P - put (paste) before cursor

dd - delete (cut) a line

2dd - delete (cut) 2 lines

dw - delete (cut) word

D - delete (cut) to the end of the line

d$ - delete (cut) to the end of the line

x - delete (cut) character

Exiting

:w - write (save) the file, but don't exit

:wq or **:x** or **ZZ** - write (save) and quit

:q - quit (fails if there are unsaved changes)

:q! or **ZQ** - quit and throw away unsaved changes

Search and replace

/pattern - search for pattern

?pattern - search backward for pattern

\vpattern - 'very magic' pattern: non-alphanumeric characters are interpreted as special regex symbols (no escaping needed)

n - repeat search in same direction

N - repeat search in opposite direction

:%s/old/new/g - replace all old with new throughout file

:%s/old/new/gc - replace all old with new throughout file with confirmations

:noh - remove highlighting of search matches

Working with multiple files

:e filename - edit a file in a new buffer

:bnext or **:bn** - go to the next buffer

:bprev or **:bp** - go to the previous buffer

:bd - delete a buffer (close a file)

:sp filename - open a file in a new buffer and split window

:vsp filename - open a file in a new buffer and vertically split window

Ctrl + **ws** - split window

Ctrl + **ww** - switch windows

Ctrl + **wq** - quit a window

Ctrl + **wv** - split window vertically

Ctrl + **wh** - move cursor to the left window (vertical split)

Ctrl + **wl** - move cursor to the right window (vertical split)

Ctrl + **wj** - move cursor to the window below (horizontal split)

Ctrl + **wk** - move cursor to the window above (horizontal split)

Tabs

:tabnew filename or **:tabn** filename - open a file in a new tab

Ctrl + **wT** - move the current split window into its own tab

gt or **:tabnext** or **:tabn** - move to the next tab

gT or **:tabprev** or **:tabp** - move to the previous tab

#gt - move to tab number #

:tabmove # - move current tab to the #th position (indexed from 0)

:tabclose or **:tabc** - close the current tab and all its windows

:tabonly or **:tabo** - close all tabs except for the current one