Vim Cheatsheet

Global

```
:help keyword  # open help for keyword
:o file        # open file
:saveas file   # save file as
:close         # close current pane
```

Cursor movement

```
h         # move cursor left
j         # move cursor down
k         # move cursor up
l         # move cursor right
H         # move to top of screen
M         # move to middle of screen
L         # move to bottom of screen
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_        # jump to the last non-blank character of the line
gg        # go to the first line of the document
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)
zz        # center cursor on screen
Ctrl + b  # move back one full screen
Ctrl + f  # move forward one full screen
Ctrl + d  # move forward 1/2 a screen
Ctrl + u  # move back 1/2 a screen
```

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 start of the next word
ce       # change (replace) to the end of the next word
cb       # change (replace) to the start of the previous word
c0       # change (replace) to the start of the line
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)
.        # repeat last command
u        # undo
Ctrl + r # redo
```

Cut and paste

```
yy       # yank (copy) a line
2yy      # yank (copy) 2 lines
yw       # yank (copy) the characters of the word from the cursor position to the sta
rt of the next 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) the characters of the word from the cursor position to the st
art of the next word
D        # delete (cut) to the end of the line
d$       # delete (cut) to the end of the line
d^       # delete (cut) to the first non-blank character of the line
d0       # delete (cut) to the begining of the line
x        # delete (cut) character
```

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
```

Search in multiple files

```
:vimgrep /pattern/ {file} # search for pattern in multiple files
:cn                       # jump to the next match
:cp                       # jump to the previous match
:copen                    # open a window containing the list of matches
```

Exiting

```
:w              # write (save) the file, but don't exit
:w !sudo tee %  # write out the current file using sudo
: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
```