

# **Vim Cheat Sheet**

Angelos Drossos

8. November 2014

# 1 Help

MODE	Shortcut	Description
N	:help	help overview
N	:help x	help for Normal mode command
N	:help v_u	help for Visual mode command „u“
N	:help i_<Esc>	help for Insert mode command „<Esc>“
N	:help :quit	help for Command-line command „<Esc>“
N	:help c_<Del>	help for Command-line editing „<Del>“
N	:help -r	help for Vim command argument „-r“
N	:help 'textwidth'	help for Option „textwidth“
N	:helpgrep word	search for help (matching help entries for „word“)
N	h / j / k / l	move left / down / up / right in help
N	z z / :q	exit help
N	CTRL-]	jump to a subject (the „tag“ under the cursor)
N	CTRL-T / CTRL-O	jump back










MODE	Shortcut	Description
N	:help UltiSnips	UltiSnips (snippets) help

## 2 Handling of Buffers and Windows

MODE	Shortcut	Description
N	:q / :q!	exit [and discard changes]
N	:w / :w!	write changes [and try to override read-only files]
N	z z	write changes and exit (shortcut for :wq)
N	CTRL-g	display status line
N	CTRL-d / CTRL-u	screen move down / up

### 3 Motions: left-right, up-down, word, text object motions/selection

- linewise vs. characterwise vs. blockwisew
- exclusive vs. inclusive
- exclusive-linewise

MODE	Shortcut	Description
	h / j / k / l	move left / down / up / right
	w / W	move forward one [big] word
	b / B	move backward one [big] word
	0 / \$	move to the begin / end of current line
	^	move to the first non-blank character of current line
	<n>G / <n>g g	move to line <n> (absulte)
	<n>0 / <n>\$	move to the begin / end of current line
	f<c> / t<c>	move to / 'til the next occurence of <char> to the right (under / left of cursor; <Esc> aborts the search)
	F<c> / T<c>	move to / 'til the next occurence of <char> to the left (under / left of cursor; <Esc> aborts the search)

## 4 Insert mode commands

MODE	Shortcut	Description
N	i<s><Esc> / a<s><Esc>	insert / append <string> (left / right of cursor)
N	o<s><Esc> / O<s><Esc>	open new line after / before current line
N	J / <n>J	join next line / next <n> lines
N	x / X	delete char under / before cursor
N	~ / <n>~	exchange lowercase↔uppercase of current / next <n> characters
N	r<c>	replace current character with <char>
N	<n>r<c>	replace next <n> characters with <char>
N	r<Enter> / <n>r<Enter>	exchange current character with a line break

MODE	Shortcut	Description
N	d<m>	delete along <motion>
N	c<m><s><Esc>	delete along <motion> and insert <string>
N	d d	delete current line
N	c c<s><Esc>	delete current line and insert <string>
N	D / d\$	delete current line from current position
N	C<s><Esc> / c\$<s><Esc>	delete current line from current position and insert <string>
N	dw	delete current word (from current position)
N	d3w	delete next 3 words (from current position)
N	3dw	3-times, delete current word (from current pos.)
N	cw„hello"<Esc>	replace current word with „hello“
N	df>	delete until „>“ reached, e.g. delete <html> tag


## 5 Keyboard macros

MODE	Shortcut	Description
N	.	repeat last text manipulating command
N	q<c:a-z>	start recording commands (in register <char:a-z>)
N	q	end recording
N	@<c:a-z>	play recorded commands (saved in register <char:a-z>)








Keyboard macro example (complex command sequence):

- Goal: `stdio.h`  $\longrightarrow$  `#include "stdio.h"`
- Keyboard macro:
  1. `qa ;`
  2. `^ ;`
  3. `i#include "<Esc> ;`
  4. `$ ;`
  5. `a"<Esc> ;`
  6. `j ;`
  7. `q`
- Use keyboard macro with `@a` or `<n>@a`

## 6 Digraphs

MODE	Shortcut	Description
	.	repeat last text manipulating command

## 7 Searching

MODE	Shortcut	Description
	/<s><Esc> / ?<s><Esc>	search for next occurrence of <string> (forward / backward)
	/ / ?	search for next occurrence of last <string>
	n / N	repeat the last search (same / reverse direction)
	/<Up> //<Down> / ?<Up> / ?<Down>	step through search history
	:nohlsearch	un-highlight last search
	:sethlsearch / :noethlsearch	[do not] highlight searches
	:setincsearch / :noetincsearch	[do not] use incremental searches

Example searches:

- simple word: hello
- use simple regex: ^ \$ . ? \