

# vim Quick Reference

Starting VIM		
<b>vim</b> <i>file</i>		edit <i>file</i>
<b>vim</b> <i>+n file</i>		edit <i>file</i> at line <i>n</i>
<b>vim</b> <i>+ file</i>		edit <i>file</i> at end of file
<b>vim</b> <i>+/str file</i>		edit <i>file</i> at first instance of <i>str</i>
<b>command</b>   <b>vim</b> <i>-</i>		edit output of <i>command</i> in vim

Exiting VIM		
<b>:w</b>		write (save) the file, but don't exit
<b>:wq</b>		write (save) and quit
<b>:q</b>		quit (fails if anything has changed)
<b>:q!</b>		quit and throw away changes
<b>:qa</b>		quit all open buffers
<b>:wqa</b>		write (save) and quit all open buffers

General		
<b>u</b>		undo
<b>U</b>		undo all changes to line
<b>Ctrl+r</b>		redo
<b>Ctrl+l</b>		redraw screen
<b>Ctrl+g</b>		display line and file info
<b>.</b>		repeat last command
<b>:info</b>		show every session, window, pane, etc.

Visual Mode		
<b>v</b>		start visual mode
<b>V</b>		start visual line mode
<b>gv</b>		reselect last block
<b>Ctrl+v</b>		start visual block mode
<b>o</b>		move to other end of marked area
<b>O</b>		move to other corner of block

Visual Commands		
<b>y</b>		yank marked text
<b>d</b>		delete marked text
<b>c</b>		delete the marked text and go into insert mode
<b>&gt;</b>		shift text right
<b>&lt;</b>		shift text left
<b>=</b>		auto-indent line
<b>~</b>		change case

Delete Text		
<b>x</b>		delete to the right of cursor
<b>X</b>		delete to the left of cursor
<b>dd</b>		delete the current line
<b>D</b>		delete to the end of line
<b>dm</b>		deletes from the cursor to the move-to point
<b>di(</b>		delete inner text between ( chars
<b>:x,yd</b>		delete lines x through y

Insert/Appending/Changing Text		
<b>i</b>		insert before cursor
<b>I</b>		insert at beginning of line
<b>a</b>		append after cursor
<b>A</b>		append at end of line
<b>o</b>		add new line after current line
<b>O</b>		add new line before current line
<b>rc</b>		replace a single character c
<b>R</b>		replace many characters
<b>:r file</b>		read <i>file</i> and insert if after line
<b>sc</b>		substitute single character c and enter Insert
<b>S</b>		substitute the current line and enter Insert
<b>J</b>		join line below to the current one
<b>nJ</b>		join next <i>n</i> lines
<b>Cc</b>		change an entire line
<b>cm</b>		change from the cursor to the <i>move-to</i> point
<b>ci(</b>		change inner text between ( chars
<b>Ctrl+w</b>		delete backwards one word
<b>Ctrl+u</b>		delete to beginning of line
<b>Ctrl+t</b>		indent current line
<b>Ctrl+d</b>		remove current line indentation

Cursor Movement (command/normal mode)		
<b>w</b>		jump by start of words
<b>W</b>		jump by words (spaces separate words)
<b>b</b>		jump backward by words
<b>B</b>		jump backward by words (no punctuation)
<b>e</b>		jump to end of words
<b>E</b>		jump to end of words (no punctuation)

Above commands can be preceded by a number for repetition

Advanced Cursor Movement (command/normal mode)		
<b>H</b>		top of screen
<b>M</b>		middle of screen
<b>L</b>		bottom of screen
<b>0</b> or <b>^</b>		beginning of line
<b>\$</b>		end of line
<b>(</b>		back a sentence (the previous . or blank line)
<b>)</b>		forward a sentence (the next . or blank line)
<b>}</b>		forward by paragraph (the next blank line)
<b>{</b>		backward by paragraph (the next blank line)
<b>%</b>		jump to next match punctuation

Cursor Searching		
<b>fc</b>		move to the next c on the current line after the cursor
<b>Fc</b>		move to the next c on the current line before the cursor
<b>tc</b>		move to before the next c on the current line after the cursor
<b>Tc</b>		move to before the next c on the current line before the cursor

Window Movement		
<b>Ctrl+u</b>		move up half a page
<b>Ctrl+d</b>		move down half a page
<b>Ctrl+b</b>		page backwards
<b>Ctrl+f</b>		page forwards
<b>1G</b> or <b>gg</b>		start of file
<b>G</b>		end of file
<b>:n</b> or <b>nG</b>		go to <i>n</i> line in file
<b>z&lt;cr&gt;</b>		reposition window cursor at top
<b>z.</b>		reposition window cursor at middle
<b>z-</b>		reposition window cursor at bottom

Cut/Paste Text		
<b>yy</b>		yank the current line
<b>yw</b>		yank the current word
<b>p</b>		put the clipboard after cursor
<b>P</b>		put before cursor
<b>:x,yy</b>		yank lines x through y

Search/Replace		
<b>/pattern</b>		search for <i>pattern</i>
<b>?pattern</b>		search backward for <i>pattern</i>
<b>n</b>		repeat search in same direction
<b>N</b>		repeat search in opposite direction
<b>:x,yg/str</b>		search from line x to y for <i>str</i>
<b>*</b>		next instance of current word
<b>#</b>		previous instance of current word
<b>:%s/old/new/g</b>		replace all <i>old</i> with <i>new</i>
<b>:%s/old/new/gc</b>		replace all <i>old</i> with <i>new</i> with confirmations

Marks		
<b>m{a-z}</b>		set mark {a-z} at cursor position in current file
<b>m{A-Z}</b>		set global mark {A-Z} which works between files
<b>‘{a-z}</b>		move the cursor to the start of the line where the mark was set
<b>`{a-z}</b>		move the cursor to line and column where the mark was set
<b>‘’</b>		go back to the previous jump location
<b>‘{0-9}</b>		go to last <i>n</i> location of cursor before vim exited
<b>‘”</b>		go to last cursor position in current buffer
<b>‘.</b>		go to the position the last change was made

Jumps		
<b>:jumps</b>		list current jumps
<b>Ctrl+i</b>		jump backwards through list
<b>Ctrl+o</b>		jump forwards through list
<b>g;</b>		go backwards in the change list
<b>g,</b>		go forwards in the change list

Folding		
<b>zc</b>		close folds at cursor
<b>zo</b>		open folds at cursor
<b>za</b>		toggle folding at cursor
<b>zr</b>		reduce all folding
<b>zm</b>		adds one layer of folding

Changing the modification key to capital will modify all folding

Registers and Macros		
<b>:reg</b>		list named registers
<b>“kp</b>		print data or macro in register <i>k</i>
<b>qk</b>		record macro into register <i>k</i>
<b>@k</b>		execute register <i>k</i>
<b>n@@</b>		repeat macro <i>n</i> times

Buffers and Windows		
<b>:next path/f*</b>		open multiple <i>file</i> buffers
<b>:find file</b>		find <i>file</i> recursively and open open
<b>:ls</b>		list buffers
<b>:b file</b>		switch to buffer <i>file</i>
<b>:sb file</b>		split window with buffer <i>file</i>
<b>gb</b>		list buffers and populate buffer prompt
<b>:bd file</b>		delete file buffer
<b>:%bd</b>		delete all file buffers
<b>-</b> or <b>:sp</b>		horizontally split window
<b> </b> or <b>:vsp</b>		vertically split window
<b>&lt;tab&gt;</b> or <b>Ctrl+ww</b>		switch between windows
<b>Ctrl+wr</b>		swap the window splits
<b>Ctrl+c</b> or <b>Ctrl+wq</b>		quit a window

Spelling		
<b>F7</b> or <b>:set spell</b>		toggle spelling
<b>]s</b>		forward to next spelling error
<b>[s</b>		backwards to previous spelling error
<b>zg</b>		add word to personal dictionary
<b>zG</b>		add word for this session
<b>zw</b>		add word as misspelling to personal dictionary
<b>zW</b>		add word as misspelling for this session
<b>z=</b>		show suggestions
<b>:spellr</b>		repeat last replacement for all words