

# Vim Cheat Sheet

- **Note:** Extracted from the rtorr repository.
- Thanks to all the contributors of the rtorr repository and to the open source community.

## Global

- **:help** keyword - open help for keyword
- **:saveas** file - save file as
- **:close** - close current pane
- **K** - open man page for word under the cursor

## 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)
- **%** - move to matching character (default supported pairs: '()', '{}', '[]' - use :h matchpairs in vim for more info)
- **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
- **tx** - jump to before next occurrence of character
- **Fx** - jump to previous occurrence of character
- **Tx** - jump to after previous occurrence of character
- **;** - repeat previous f, t, F or T movement
- **,** - repeat previous f, t, F or T movement, backwards
- **}** - 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 + e** - move screen down one line (without moving cursor)
- **Ctrl + y** - move screen up one line (without moving cursor)
- **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

**-Tip:** Prefix a cursor movement command with a number to repeat it. For example, 4j moves down 4 lines.

## 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 with one space in between
- **gJ** - join line below to the current one without space in between
- **gwip** - reflow paragraph
- **cc** - change (replace) entire line
- **C** - change (replace) to the end of the line
- **c\$** - change (replace) to the end of the line
- **ciw** - change (replace) entire word
- **cw** - change (replace) to the end of the word
- **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

## Registers

- **:reg** - show registers content
- **"xy** - yank into register
- **"xp** - paste contents of register

**Tip:** Registers are being stored in ~/.viminfo, and will be loaded again on next restart of vim. Tip Register 0 contains always the value of the last yank command. **##** Marks

- **:marks** - list of marks
- **ma** - set current position for mark A
- **'a** - jump to position of mark A
- **y'a** - yank text to position of mark A

## Macros

- **qa** - record macro a
- **q** - stop recording macro
- **@a** - run macro a
- **\*\*@\*\*** - rerun last run macro

## 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 start 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 start of the next 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
- **: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
- **:wqa** - write (save) and quit on all tabs

## 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  
e.g. : vimgrep /foo/ \*\*/\*
- **:cn** - jump to the next match
- **:cp** - jump to the previous match
- **:copen** - open a window containing the list of matches

## Working with multiple files

- **:e file** - 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)
- **:ls** - list all open buffers
- **:sp file** - open a file in a new buffer and split window
- **:vsp file** - 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)