

Vim Cheat Sheet

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| Global | Editing | Macros | Working with multiple files |
| :h[elp] keyword - open help for keyword | r - replace a single character. | qa - record macro a | :e[dit] file - edit a file in a new buffer |
| :sav[eas] file - save file as | R - replace more than one character, until ESC is pressed. | q - stop recording macro | :bn[ext] - go to the next buffer |
| :clo[se] - close current pane | J - join line below to the current one with one space in between | @a - run macro a | :bp[revious] - go to the previous buffer |
| :ter[minal] - open a terminal window | gJ - join line below to the current one without space in between | @@ - rerun last run macro | :bd[elete] - delete a buffer (close a file) |
| K - open man page for word under the cursor | gJ - join line below to the current one without space in between | Cut and paste | :b[uffer]# - go to a buffer by index # |
| Cursor movement | gwap - reflow paragraph | yy - yank (copy) a line | :b[uffer] file - go to a buffer by file |
| h - move cursor left | g~ - switch case up to motion | 2yy - yank (copy) 2 lines | :ls or :buffers - list all open buffers |
| j - move cursor down | gu - change to lowercase up to motion | yw - yank (copy) the characters of the word from the cursor position to the start of the next word | :sp[lit] file - open a file in a new buffer and split window |
| k - move cursor up | gU - change to uppercase up to motion | yiw - yank (copy) word under the cursor | :vs[plit] file - open a file in a new buffer and vertically split window |
| l - move cursor right | cc - change (replace) entire line | yaw - yank (copy) word under the cursor and the space after or before it | :vert[ical] ba[ll] - edit all buffers as vertical windows |
| gj - move cursor down (multi-line text) | c\$ or C - change (replace) to the end of the line | y\$ or Y - yank (copy) to end of line | :tab ba[ll] - edit all buffers as tabs |
| gk - move cursor up (multi-line text) | ciw - change (replace) entire word | p - put (paste) the clipboard after cursor | Ctrl + ws - split window |
| H - move to top of screen | cw or ce - change (replace) to the end of the word | P - put (paste) before cursor | Ctrl + wv - split window vertically |
| M - move to middle of screen | s - delete character and substitute text (same as cl) | gp - put (paste) the clipboard after cursor and leave cursor after the new text | Ctrl + ww - switch windows |
| L - move to bottom of screen | S - delete line and substitute text (same as cc) | gP - put (paste) before cursor and leave cursor after the new text | Ctrl + wq - quit a window |
| w - jump forwards to the start of a word | xp - transpose two letters (delete and paste) | dd - delete (cut) a line | Ctrl + wx - exchange current window with next one |
| W - jump forwards to the start of a word (words can contain punctuation) | u - undo | 2dd - delete (cut) 2 lines | Ctrl + w= - make all windows equal height & width |
| e - jump forwards to the end of a word | U - restore (undo) last changed line | dw - delete (cut) the characters of the word from the cursor position to the start of the next word | Ctrl + wh - move cursor to the left window (vertical split) |
| E - jump forwards to the end of a word (words can contain punctuation) | Ctrl + r - redo | diw - delete (cut) word under the cursor | Ctrl + wl - move cursor to the right window (vertical split) |
| b - jump backwards to the start of a word | . - repeat last command | daw - delete (cut) word under the cursor and the space after or before it | Ctrl + wj - move cursor to the window below (horizontal split) |
| B - jump backwards to the start of a word (words can contain punctuation) | Marking text (visual mode) | :3,5d - delete lines starting from 3 to 5 | Ctrl + wk - move cursor to the window above (horizontal split) |
| ge - jump backwards to the end of a word | v - start visual mode, mark lines, then do a command (like y-yank) | :g/{pattern}/d - delete all lines containing pattern | Ctrl + wH - make current window full height at far left (leftmost vertical window) |
| gE - jump backwards to the end of a word (words can contain punctuation) | V - start linewise visual mode | :g!/{pattern}/d - delete all lines not containing pattern | Ctrl + wL - make current window full height at far right (rightmost vertical window) |
| % - move cursor to matching character (default supported pairs: '()', '{}', '[]' - use :h matchpairs in vim for more info) | o - move to other end of marked area | d\$ or D - delete (cut) to the end of the line | Ctrl + wJ - make current window full width at the very bottom (bottommost horizontal window) |
| 0 - jump to the start of the line | Ctrl + v - start visual block mode | x - delete (cut) character | Ctrl + wK - make current window full width at the very top (topmost horizontal window) |
| ^ - jump to the first non-blank character of the line | O - move to other corner of block | | Diff |
| \$ - jump to the end of the line | aw - mark a word | | zf - manually define a fold up to motion |
| | ab - a block with () | | zd - delete fold under the cursor |
| | | | za - toggle fold under the cursor |
| | | | zo - open fold under the cursor |
| | | Indent text | |

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| g_ - jump to the last non-blank character of the line | aB - a block with {} | >> - indent (move right) line one shiftwidth | zC - close fold under the cursor |
| gg - go to the first line of the document | at - a block with <> tags | << - de-indent (move left) line one shiftwidth | zr - reduce (open) all folds by one level |
| G - go to the last line of the document | ib - inner block with () | >% - indent a block with () or {} (cursor on brace) | zM - fold more (close) all folds by one level |
| 5gg or 5G - go to line 5 | iB - inner block with {} | <% - de-indent a block with () or {} (cursor on brace) | zi - toggle folding functionality |
| gd - move to local declaration | it - inner block with <> tags | >ib - indent inner block with () |]c - jump to start of next change |
| gD - move to global declaration | Esc or Ctrl + c - exit visual mode | >at - indent a block with <> tags | [c - jump to start of previous change |
| fx - jump to next occurrence of character x | Visual commands | 3== - re-indent 3 lines | do or :diffg[et] - obtain (get) difference (from other buffer) |
| tx - jump to before next occurrence of character x | > - shift text right | =% - re-indent a block with () or {} (cursor on brace) | dp or :diffpu[t] - put difference (to other buffer) |
| Fx - jump to the previous occurrence of character x | < - shift text left | =iB - re-indent inner block with {} | :diffthis - make current window part of diff |
| Tx - jump to after previous occurrence of character x | y - yank (copy) marked text | gg=G - re-indent entire buffer | :dif[fupdate] - update differences |
| ; - repeat previous f, t, F or T movement | d - delete marked text |]p - paste and adjust indent to current line | :diffo[ff] - switch off diff mode for current window |
| , - repeat previous f, t, F or T movement, backwards | ~ - switch case | Exiting | |
| } - jump to next paragraph (or function/block, when editing code) | u - change marked text to lowercase | :w - write (save) the file, but don't exit | |
| { - jump to previous paragraph (or function/block, when editing code) | U - change marked text to uppercase | :w !sudo tee % - write out the current file using sudo | |
| zz - center cursor on screen | Registers | :wq or :x or ZZ - write (save) and quit | |
| zt - position cursor on top of the screen | :reg[isters] - show registers content | :q - quit (fails if there are unsaved changes) | |
| zb - position cursor on bottom of the screen | "xy - yank into register x | :q! or ZQ - quit and throw away unsaved changes | |
| Ctrl + e - move screen down one line (without moving cursor) | "xp - paste contents of register x | :wqa - write (save) and quit on all tabs | |
| Ctrl + y - move screen up one line (without moving cursor) | "+y - yank into the system clipboard register | Search and replace | |
| Ctrl + b - move screen up one page (cursor to last line) | "+p - paste from the system clipboard register | /pattern - search for pattern | |
| Ctrl + f - move screen down one page (cursor to first line) | Marks and positions | ?pattern - search backward for pattern | |
| Ctrl + d - move cursor and screen down 1/2 page | :marks - list of marks | \vpattern - 'very magic' pattern: non-alphanumeric characters are interpreted as special regex symbols (no escaping needed) | |
| Ctrl + u - move cursor and screen up 1/2 page | ma - set current position for mark A | n - repeat search in same direction | |
| Insert mode - inserting/appending text | `a - jump to position of mark A | N - repeat search in opposite direction | |
| i - insert before the cursor | y`a - yank text to position of mark A | :%s/old/new/g - replace all old with new throughout file | |
| I - insert at the beginning of the line | `0 - go to the position where Vim was previously exited | :%s/old/new/gc - replace all old with new throughout file with confirmations | |
| | `" - go to the position when last editing this file | :noh[lsearch] - remove highlighting of search matches | |
| | `. - go to the position of the last change in this file | | |
| | `` - go to the position before the last jump | | |
| | :ju[mps] - list of jumps | | |

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| a - insert (append) after the cursor | Ctrl + i - go to newer position in jump list | :vim[gre] /pattern/ |
| A - insert (append) at the end of the line | Ctrl + o - go to older position in jump list | {`{file}`} - search for pattern in multiple files |
| o - append (open) a new line below the current line | :changes - list of changes | :cn[ext] - jump to the next match |
| O - append (open) a new line above the current line | g, - go to newer position in change list | :cp[revious] - jump to the previous match |
| ea - insert (append) at the end of the word | g; - go to older position in change list | |
| Ctrl + h - delete the character before the cursor during insert mode | Ctrl +] - jump to the tag under cursor | :cope[n] - open a window containing the list of matches |
| Ctrl + w - delete word before the cursor during insert mode | | :ccl[ose] - close the quickfix window |
| Ctrl + j - add a line break at the cursor position during insert mode | | <p>Tabs</p> <p>:tabnew or :tabnew {page.words.file} - open a file in a new tab</p> |
| Ctrl + t - indent (move right) line one shiftwidth during insert mode | | Ctrl + wT - move the current split window into its own tab |
| Ctrl + d - de-indent (move left) line one shiftwidth during insert mode | | gt or :tabn[ext] - move to the next tab |
| Ctrl + n - insert (auto-complete) next match before the cursor during insert mode | | gT or :tabp[revious] - move to the previous tab |
| Ctrl + p - insert (auto-complete) previous match before the cursor during insert mode | | #gt - move to tab number # |
| Ctrl + rx - insert the contents of register x | | :tabm[ove] # - move current tab to the #th position (indexed from 0) |
| Ctrl + ox - Temporarily enter normal mode to issue one normal-mode command x. | | :tabc[lose] - close the current tab and all its windows |
| Esc or Ctrl + c - exit insert mode | | :tabo[nly] - close all tabs except for the current one |
| | | :tabdo command - run the command on all tabs (e.g. :tabdo q - closes all opened tabs) |