

# Vim Cheat Sheet

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<b>Global</b> <b>:h[elp] keyword</b> - open help for keyword  <b>:sav[eas] file</b> - save file as  <b>:clo[se]</b> - close current pane  <b>:ter[minal]</b> - open a terminal window  <b>K</b> - open man page for word under the cursor	<b>Editing</b> <b>r</b> - replace a single character  <b>J</b> - join line below to the current one with one space in between  <b>gJ</b> - join line below to the current one without space in between  <b>gwip</b> - reflow paragraph  <b>g~</b> - switch case up to motion  <b>gu</b> - change to lowercase up to motion  <b>gU</b> - change to uppercase up to motion  <b>cc</b> - change (replace) entire line  <b>C</b> - change (replace) to the end of the line  <b>c\$</b> - change (replace) to the end of the line  <b>ciw</b> - change (replace) entire word  <b>cw</b> - change (replace) to the end of the word  <b>s</b> - delete character and substitute text  <b>S</b> - delete line and substitute text (same as cc)  <b>xp</b> - transpose two letters (delete and paste)  <b>u</b> - undo  <b>U</b> - restore (undo) last changed line  <b>Ctrl + r</b> - redo  <b>.</b> - repeat last command	<b>Macros</b> <b>qa</b> - record macro a  <b>q</b> - stop recording macro  <b>@a</b> - run macro a  <b>@@</b> - rerun last run macro  <b>Cut and paste</b> <b>yy</b> - yank (copy) a line  <b>2yy</b> - yank (copy) 2 lines  <b>yw</b> - yank (copy) the characters of the word from the cursor position to the start of the next word  <b>y\$</b> - yank (copy) to end of line  <b>p</b> - put (paste) the clipboard after cursor  <b>P</b> - put (paste) before cursor  <b>dd</b> - delete (cut) a line  <b>2dd</b> - delete (cut) 2 lines  <b>dw</b> - delete (cut) the characters of the word from the cursor position to the start of the next word  <b>D</b> - delete (cut) to the end of the line  <b>d\$</b> - delete (cut) to the end of the line  <b>x</b> - delete (cut) character	<b>Working with multiple files</b> <b>:e[dit] file</b> - edit a file in a new buffer  <b>:bn[ext]</b> - go to the next buffer  <b>:bp[revious]</b> - go to the previous buffer  <b>:bd[elete]</b> - delete a buffer (close a file)  <b>:b[uffer] #</b> - go to a buffer by index #  <b>:b[uffer] file</b> - go to a buffer by file  <b>:ls</b> or <b>:buffers</b> - list all open buffers  <b>:sp[lit] file</b> - open a file in a new buffer and split window  <b>:vs[plit] file</b> - open a file in a new buffer and vertically split window  <b>:vert[ical] ba[ll]</b> - edit all buffers as vertical windows  <b>:tab ba[ll]</b> - edit all buffers as tabs  <b>Ctrl + ws</b> - split window  <b>Ctrl + wv</b> - split window vertically  <b>Ctrl + ww</b> - switch windows  <b>Ctrl + wq</b> - quit a window  <b>Ctrl + wx</b> - exchange current window with next one  <b>Ctrl + w=</b> - make all windows equal height & width  <b>Ctrl + wh</b> - move cursor to the left window (vertical split)  <b>Ctrl + wl</b> - move cursor to the right window (vertical split)  <b>Ctrl + wj</b> - move cursor to the window below (horizontal split)  <b>Ctrl + wk</b> - move cursor to the window above (horizontal split)
<b>Cursor movement</b> <b>h</b> - move cursor left  <b>j</b> - move cursor down  <b>k</b> - move cursor up  <b>l</b> - move cursor right  <b>H</b> - move to top of screen  <b>M</b> - move to middle of screen  <b>L</b> - move to bottom of screen  <b>w</b> - jump forwards to the start of a word  <b>W</b> - jump forwards to the start of a word (words can contain punctuation)  <b>e</b> - jump forwards to the end of a word  <b>E</b> - jump forwards to the end of a word (words can contain punctuation)  <b>b</b> - jump backwards to the start of a word  <b>B</b> - jump backwards to the start of a word (words can contain punctuation)  <b>%</b> - move to matching character (default supported pairs: '()', '{}', '[]' - use <b>:h matchpairs</b> in vim for more info)  <b>O</b> - jump to the start of the line  <b>^</b> - jump to the first non-blank character of the line  <b>\$</b> - jump to the end of the line  <b>g_</b> - jump to the last non-blank character of the line  <b>gg</b> - go to the first line of the document  <b>G</b> - go to the last line of the document  <b>5gg</b> or <b>5G</b> - go to line 5  <b>gd</b> - move to local declaration  <b>gD</b> - move to global declaration  <b>fx</b> - jump to next occurrence of character x  <b>tx</b> - jump to before next occurrence of character x	<b>Marking text (visual mode)</b> <b>v</b> - start visual mode, mark lines, then do a command (like y-yank)  <b>V</b> - start linewise visual mode  <b>o</b> - move to other end of marked area  <b>Ctrl + v</b> - start visual block mode  <b>O</b> - move to other corner of block  <b>aw</b> - mark a word  <b>ab</b> - a block with ()  <b>aB</b> - a block with {}  <b>at</b> - a block with <> tags  <b>ib</b> - inner block with ()  <b>iB</b> - inner block with {}  <b>it</b> - inner block with <> tags  <b>Esc</b> - exit visual mode	<b>Indent text</b> <b>&gt;&gt;</b> - indent (move right) line one shiftwidth  <b>&lt;&lt;</b> - de-indent (move left) line one shiftwidth  <b>&gt;%</b> - indent a block with () or {} (cursor on brace)  <b>&gt;ib</b> - indent inner block with ()  <b>&gt;at</b> - indent a block with <> tags  <b>3==</b> - re-indent 3 lines  <b>=%</b> - re-indent a block with () or {} (cursor on brace)  <b>=ib</b> - re-indent inner block with {}  <b>gg=G</b> - re-indent entire buffer  <b>]p</b> - paste and adjust indent to current line  <b>Exiting</b> <b>:w</b> - write (save) the file, but don't exit  <b>:w !sudo tee %</b> - write out the current file using sudo  <b>:wq</b> or <b>:x</b> or <b>ZZ</b> - write (save) and quit  <b>:q</b> - quit (fails if there are unsaved changes)  <b>:q!</b> or <b>ZQ</b> - quit and throw	<b>Diff</b> <b>zf</b> - manually define a fold up to motion  <b>zd</b> - delete fold under the cursor  <b>za</b> - toggle fold under the cursor  <b>zo</b> - open fold under the cursor  <b>zc</b> - close fold under the cursor  <b>zr</b> - reduce (open) all folds by one level  <b>zm</b> - fold more (close) all folds by one level  <b>zi</b> - toggle folding functionality  <b>]c</b> - jump to start of next change  <b>[c</b> - jump to start of previous change  <b>do</b> or <b>:diffg[et]</b> - obtain (get) difference (from other buffer)  <b>dp</b> or <b>:diffpu[t]</b> - put difference (to other buffer)  <b>:diffthis</b> - make current window part of diff  <b>:dif[ fupdate]</b> - update differences  <b>:diffo[ ff]</b> - switch off diff mode for current window

<b>Fx</b> - jump to previous occurrence of character x	<b>&gt;</b> - shift text right	away unsaved changes
<b>Tx</b> - jump to after previous occurrence of character x	<b>&lt;</b> - shift text left	<b>:wqa</b> - write (save) and quit on all tabs
<b>;</b> - repeat previous f, t, F or T movement	<b>y</b> - yank (copy) marked text	<b>Search and replace</b>
<b>,</b> - repeat previous f, t, F or T movement, backwards	<b>d</b> - delete marked text	<b>/pattern</b> - search for pattern
<b>}</b> - jump to next paragraph (or function/block, when editing code)	<b>~</b> - switch case	<b>?pattern</b> - search backward for pattern
<b>{</b> - jump to previous paragraph (or function/block, when editing code)	<b>u</b> - change marked text to lowercase	<b>\vpattern</b> - 'very magic' pattern: non-alphanumeric characters are interpreted as special regex symbols (no escaping needed)
<b>zz</b> - center cursor on screen	<b>U</b> - change marked text to uppercase	<b>n</b> - repeat search in same direction
<b>Ctrl + e</b> - move screen down one line (without moving cursor)	<b>Registers</b>	<b>N</b> - repeat search in opposite direction
<b>Ctrl + y</b> - move screen up one line (without moving cursor)	<b>:reg[isters]</b> - show registers content	<b>:s/old/new/g</b> - replace all old with new throughout file
<b>Ctrl + b</b> - move back one full screen	<b>"xy</b> - yank into register x	<b>:s/old/new/gc</b> - replace all old with new throughout file with confirmations
<b>Ctrl + f</b> - move forward one full screen	<b>"xp</b> - paste contents of register x	<b>:noh[lsearch]</b> - remove highlighting of search matches
<b>Ctrl + d</b> - move forward 1/2 a screen	<b>"+y</b> - yank into the system clipboard register	<b>Search in multiple files</b>
<b>Ctrl + u</b> - move back 1/2 a screen	<b>"+p</b> - paste from the system clipboard register	<b>:vim[grep]</b>
<b>Insert mode - inserting/appendng text</b>	<b>Marks and positions</b>	<b>/pattern/{`{file}`}</b> - search for pattern in multiple files
<b>i</b> - insert before the cursor	<b>:marks</b> - list of marks	<b>:cn[ext]</b> - jump to the next match
<b>I</b> - insert at the beginning of the line	<b>ma</b> - set current position for mark A	<b>:cp[revious]</b> - jump to the previous match
<b>a</b> - insert (append) after the cursor	<b>`a</b> - jump to position of mark A	<b>:cope[n]</b> - open a window containing the list of matches
<b>A</b> - insert (append) at the end of the line	<b>y`a</b> - yank text to position of mark A	<b>:ccl[ose]</b> - close the quickfix window
<b>o</b> - append (open) a new line below the current line	<b>`O</b> - go to the position where Vim was previously exited	<b>Tabs</b>
<b>O</b> - append (open) a new line above the current line	<b>`"</b> - go to the position when last editing this file	<b>:tabnew</b> or <b>:tabnew {page.words.file}</b> - open a file in a new tab
<b>ea</b> - insert (append) at the end of the word	<b>`.</b> - go to the position of the last change in this file	<b>Ctrl + wT</b> - move the current split window into its own tab
<b>Ctrl + h</b> - delete the character before the cursor during insert mode	<b>`~</b> - go to the position before the last jump	<b>gt</b> or <b>:tabn[ext]</b> - move to the next tab
<b>Ctrl + w</b> - delete word before the cursor during insert mode	<b>:ju[mps]</b> - list of jumps	<b>gT</b> or <b>:tabp[revious]</b> - move to the previous tab
<b>Ctrl + j</b> - begin new line during insert mode	<b>Ctrl + i</b> - go to newer position in jump list	<b>#gt</b> - move to tab number #
<b>Ctrl + t</b> - indent (move right) line one shiftwidth during insert mode	<b>Ctrl + o</b> - go to older position in jump list	<b>:tabm[ove]</b> # - move current tab to the #th position (indexed from 0)
<b>Ctrl + d</b> - de-indent (move left) line one shiftwidth during insert mode	<b>:changes</b> - list of changes	<b>:tabc[lose]</b> - close the current tab and all its windows
<b>Ctrl + n</b> - insert (auto-complete) next match before the cursor during insert mode	<b>g,</b> - go to newer position in change list	<b>:tabo[nly]</b> - close all tabs except for the current one
<b>Ctrl + p</b> - insert (auto-complete) previous match before the cursor during insert	<b>g;</b> - go to older position in change list	<b>:tabdo</b> command - run the command on all tabs (e.g. <b>:tabdo q</b> - closes all opened tabs)

mode

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**Ctrl + rx** - insert the  
contents of register x

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**Esc** - exit insert mode

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