

0 ^ B b h l e w E W \$

beginning of line first non-blank character previous WORD previous word previous character next character end of word beginning of next word end of WORD beginning of next WORD end of line

:e path :e! :view path :r file :q :q!
load and edit return to load file in insert con- quit quit, discard
given file unmodified file read-only mode tents of file changes

:w :saveas path :browse old :cd :pwd
write file save with new name List recent files, allow to change dir echo current
select one by number. working dir

^o previous jump location
gg beginning of file
^b back 1 page
^u up 1/2 page
[[previous section / f()
{ previous blank line
k up 1 line
j down 1 line
} next blank line
]] next section / f()
^d down 1/2 page
^f forward 1 page
G end of file
8G to first non-blank char of line 8
:8 start of line 8

Buffers

:ls :b n :b file
list all buffers jump to buffer nr n jump to buffer with containing file

:bp :bn :bd
jump to prev buffer jump to next buffer delete current buffer

:e path :enew :bufdo C
load and edit given file new blank buffer apply command c to all buffers

Inserting

I i a A
beginning of this line before cursor after cursor end of this line

O o s S
beginning of previous line beginning of next line substitute character substitute line

C cw r R
change rest of line change rest of word replace 1 character replace from cursor

Deleting

x diw dw d/ foo
delete character delete all of word delete rest of word delete until first 'foo'

dd d0 d^ d\$
delete line del from BOL to cursor delete 1st non-blank char to cursor del from cursor to EOL

d} :1,.d :.,\$d dt c
del to end of paragr. del from line 1 to cursor del from curs to EOF delete up to char c

Substitute

:s/foo/bar/g
In current line replace all (/g) 'foo' with 'bar'

:%s/foo/bar/g
In all lines replace all 'foo' with 'bar'

:%s/foo/bar/gic
In all lines replace all 'foo' with 'bar', case-insensitive, and ask for confirmation

:3,9s/foo/bar/g
In lines 3 to 9 (incl) replace all 'foo' with 'bar'

:.,.+5/^/ /g
From current line to 5 line further, prepend 3 spaces at the beginning of each line

:s/\In current line replace all occurrences of 'foo' that are a separate word, with 'bar'

:5,\$s/foo//g
From current line to last line, replace all 'foo' with nothing (= delete 'foo')

:%s/\t/ /g
In all lines, replace tab with 4 spaces

:%s/red\|pink/blue/g
In all lines, replace all instances of "red" and "pink" with "blue"

: '<,'>s/foo/bar/g
In the visually pre-selected lines, replace foo with bar.

Selecting (visual)

v V ^v gv
select char select line select block reselect

d y P p
delete selection yank (copy) selection paste before cursor paste after cursor

o O aw iw
go to start of selection go to end of selection select word & whitespace select inner word

fa /foo 25G ii
select until 1st 'a' select until 'foo' select until line 25 select inner indentation

a", a', a(, a[, a{, at
i", i', i(, i[, i{, it

Version with a: include "" "" 0 [] {} <>
Version with i: exclude "" "" 0 [] {} <>

Copying

yy yiw yw
yank this line yank inner word yank rest of word

y0 y^ y\$
yank from BOL to cursor yank from 1st non-blank char to cursor yank from cursor to EOL

Undo/Redo

u undo :earlier 4m
^r redo :later 50s

:UndotreeToggle

Search

* #
Go to next match of exact current word Go to prev match of exact current word

g* g#
Idem as * but not exact Idem as # but not exact

/foo ?foo
Search forward for foo, not exact Search backward for foo, not exact

n N
Go to next match Go to prev match

/\Search forward for foo, exact no search highlights

Move

:m n :m.+2 :2,4m \$
mv this line to after line n mv this line 2 lines below mv lines 2,3,4 to after last line

:m \$:2,4m 9 :.,.+2m 9
mv this line to after last line mv lines 2,3,4 to after line 9 mv 3 lines from this line to after line 9

Search & Replace

/foo Search & highlight all 'foo', go to 1st match

cgn Change current search pattern (gn) - no ':'

<esc> Get out of edit mode

. Repeat for next match

n / N Go to next/prev match if need to skip one

Search/Replace in multiple files

:vimgrep /foo/g *.py Search in all files. Use :copen to get a list of matches.

:bufdo %s/foo/bar/ge | update
Apply to all buffers. Ignore pattern not found errors (e). Save file if changes were made (update).

:arg *.cpp Create arglist with C++ files and load them into buffers

:argadd *.h Add header files to arglist, and load into buffers

:argdo %s/foo/bar/ge | update Apply to every file in arglist

% f c F c
jump to matching bracket jump to next occur of c jump to prev occur of c

zz scroll current line to middle of the screen

netrw & Ctrl-p	
:edit read write sftp://user@hostname/path	
:edit folder	(folder can be .)
:Vexplore	split left-right and show file browser
i	toggle between file browser view options
/path	move cursor to nearest match in file browser
^p filename	Fuzzy search file. Use ^f and ^b to toggle between files, buffers, and <u>m</u> ost <u>r</u> ecently <u>u</u> sed. Can be used for “ Open Recent... ”

Global command	
:[range]g/pattern/command	
:g/foo/d	Delete all lines that contain ‘foo’
:.,\$g!/foo/m\$	Move all lines from cursor to EOF, that do not contain ‘foo’, to EOF.
:g/^/m0	For all lines move them to the beginning of the file = reverse file.
:g/^foo/s/\$/bar	For all lines starting with ‘foo’, substitute/append ‘bar’ to EOL.
:g/foo/#	Show with line nrs. Then go to a line.

Case switching	
~	Toggle case of character under cursor
g~iw	Toggle case of the inner word
g~\$	Toggle case from cursor to EOL
gUw	Convert rest of word to large caps
gUU	Convert current line to upper case
gu0	Convert from BOL to cursor to small caps.

Vimtex	
\ll	Start/stop continuous compiling mode
\lv	Jump to PDF viewer at the same point of the cursor
\lc	Clean auxiliary files
[[Jump to the previous (sub)section
]]	Jump to the next (sub)section
%	Move between matching delimiters

Tags and YCM

:tag <i>name</i>	Jump to (1st) match of the tag. :stag shows it in a new window. <i>Name</i> can be a regex (e.g. <i>/Detect*</i>).		
:stag			
:ts <i>name</i>	List all tag matches, and lets you select one. If <i>name</i> is absent, use list of last :tag command.		
^]	g]	^o	^Space Tab
Jump to tag under cursor	List all matches of tag under cursor	Go back one jump	In insert mode: show window with f() def.
:Tagbar	Toggle show/hide tagbar <ul style="list-style-type: none">• Double-click or press enter on a tag to jump• Press space on a function to display arg list.		
:!ctags -R --extra=+f	Create tags file, recursively, in <i>current</i> dir		

Windows			
:split	:vsplit	:only	:close
split top-bottom	split left-right	keep only current window	close current

Indenting					
>>	<<	>	<	>ap	>aB
indent current line	un-indent current line	indent selected lines	un-indent selected lines	indent current parag.	indent current block

CSV	
:WhatColumn	Show current column nr
:nrColumns	Show total numbers of columns
:DeleteColumn 2	Delete column nr 2
:MoveColumn 2 4	Move col 2 to right next to col 4
:DupColumn	Duplicate current column
:Header 2	Open separate fixed window with first 2 header lines. Close with :Header!
:%ArrangeColumn!	Prettify the columns by aligning them
:NewDelimiter ;	Change the delimiter to ;
:1,10Sort 3	Sort lines 1-10 of column 3
:SearchInColumn 1 /foo/	Search for patter foo in column 1
:%Substitute 1,4/foo/bar/gc	Subst in cols 1-4 foo with bar, globally + ask for confirmation

Fugitive	
:Gblame	Show git blame info for an indexed file.
:Gedit SHA	Show info for blob, tree, commits, and tags
:Gedit master:python/transits.py	Read-only!
:Glog -- %	Show the git log of current file per commit, and lets you select a commit. Press enter on parent commits, to go further back.
:Gstatus	Show the git index
:Gdiff	Shows differences between working copy of the current file and the index, in a split window. :q to exit.
In case of merge conflicts: open 3-way differences.	
E.g. if you have conflicts after:	
	(feature) \$ git checkout master
	(master) \$ git merge feature
Left window:	version of the master branch
Right window:	version of the feature branch
Center window:	current working copy
Keep your cursor in the center window (working copy).	
:diffget //2	include left version in working copy
:diffget //3	include right version in working copy
:diffupdate	update the diff highlighting

fzf	
:Files	Fuzzy search files
:Lines	Fuzzy grep in all open buffers
:BLines	Fuzzy grep in current buffer
:Tags	Fuzzy search all tags
:BTags	Fuzzy search tags in current buffer
:GFiles?	Git status
:Commits	Fuzzy search in all commits
:BCommits	Fuzzy search in commits of this buffer

Special Text Objects			
gn	Current search pattern	ii	Inner indentation level, no line above
aa	Function arg under cursor, with comma	ai	Indentation level + one line above (<i>Python</i>)
ia	Function arg under cursor, without comma (<i>inner</i>)	aI	Indentation level + line above + line below (<i>C++</i>)
Example in C++ : caI : change current indentation level incl. { } above/below			

Miscellaneous	
^a / ^x	Incr/decr the nr under cursor.
J	Join this line with the next one
:set scrollbind	Scroll synchronously. Set in all windows that need to be in-sync. Add ! to to undo.
:ab fe for example	Replace abbreviation on the fly
:set list	Show all the invisible characters
:set nolist	Stop showing all the invisible characters
^oo	After startup: load last edited file
^n	In insert mode: word completion
:Matrix	Follow the white rabbit
:ToggleWhitespace	(Un)highlight trailing whitespace
:StripWhitespace	Strip trailing whitespace

Folds			
zo/zc	zO/zC	zm/zr	zj/zk
Open/close 1 fold under cursor	Open/close all folds under cursor	Increase /reduce fold level	Go to start of next/previous fold

(Un)commenting	
Old School:	
^v	Block select
select	Select the block
I	Insert mode at beginning
//	Write comment symbols
<ESC>	Exit & apply to all lines
With tcomment:	
gc{motion}	Toggle comment. E.g gc4j or gcAB
gcc	Toggle comment for this line.

Clipboard	
:w !pbcopy	Write selected lines to clipboard (visual mode)
:r !pbpaste	Insert contents of clipboard at current position

Easymotion	
\\w	Word motion, then select appropriate letter. Forward.
\\b	Idem but backward
\\s <i>char</i>	Trigger character motion, then select letter.

Tabularize	
:Tab/=	Align selection on the ‘=’ char
:Tab/,/r1c110	First part right aligned, then 1 space, then comma center aligned, then 1 space, then part left aligned, no extra space, then rest

Repeating	
n	Repeat search - forward
N	Repeat search - backward
@:	Rpt last ‘:’ command
.	Rpt last change in Normal mode
;	Rpt last f c - forward
,	Rpt last f c - backward
&	Rpt last :s/x/y/ subst

Markers	
m a	Set marker named ‘a’ under cursor
m a!	Same but override previous marker ‘a’
‘a	Go to start of line containing marker ‘a’
`a	Jump to marker ‘a’ (back quote)
:marks	Show a list of markers
:delm ab / !	Delete marker ‘a’ and ‘b’ / all markers
:c `a	Change from cursor to marker ‘a’
:]’ / [’	Jump to next/prev line with marker
`.	Special marker: last change in buffer

Special Text Objects	
gn	Current search pattern
aa	Function a rg under cursor, with comma
ia	Function a rg under cursor, without comma (<i>inner</i>)
ii	Inner indentation level, no line above
ai	Indentation level + one line above (<i>Python</i>)
aI	Indentation level + line above + line below (<i>C++</i>)
Example in C++ : caI : change current indentation level incl. { } above/below	

Macros			
 qa	Start recording to register ‘a’	@a	Execute macro
 ...	Fancy commands	5@a	Execute 5 times
 q	Stop recording	:reg	List all macros