Vim is a very efficient text editor. This reference was made for Vim 8.0.
For shortcut notation, see `:help key-notation`.

Exiting

`:q`	Close file
`:qa`	Close all files
`:w`	Save
`:wq` / `:x`	Save and close file
`ZZ`	Save and quit
`ZQ`	Quit without checking changes

Navigating

`h` `j` `k` `l`	Arrow keys
`<C-U>` / `<C-D>`	Half-page up/down
`<C-B>` / `<C-F>`	Page up/down

Words

`b` / `w`	Previous/next word
`ge` / `e`	Previous/next end of word

Line

`0` *(zero)*	Start of line
`^`	Start of line *(after whitespace)*
`$`	End of line

Character

`fc`	Go forward to character `c`
`Fc`	Go backward to character `c`

Document

`gg`	First line
`G`	Last line
`:{number}`	Go to line `{number}`
`{number}G`	Go to line `{number}`
`{number}j`	Go down `{number}` lines
`{number}k`	Go up `{number}` lines

Window

`zz`	Center this line
`zt`	Top this line
`zb`	Bottom this line
`H`	Move to top of screen
`M`	Move to middle of screen
`L`	Move to bottom of screen

Search

`n`	Next matching search pattern
`N`	Previous match
`*`	Next whole word under cursor
`#`	Previous whole word under cursor

Tab pages

`:tabedit [file]`	Edit file in a new tab
`:tabfind [file]`	Open file if exists in new tab
`:tabclose`	Close current tab
`:tabs`	List all tabs
`:tabfirst`	Go to first tab
`:tablast`	Go to last tab
`:tabn`	Go to next tab
`:tabp`	Go to previous tab

Editing

`a`	Append
`A`	Append from end of line
`i`	Insert
`o`	Next line
`O`	Previous line
`s`	Delete char and insert
`S`	Delete line and insert
`C`	Delete until end of line and insert
`r`	Replace one character
`R`	Enter Replace mode
`u`	Undo changes
`<C-R>`	Redo changes

Exiting insert mode

`Esc` / `<C-[>`	Exit insert mode
`<C-C>`	Exit insert mode, and abort current command

Clipboard

`x`	Delete character
`dd`	Delete line *(Cut)*
`yy`	Yank line *(Copy)*
`p`	Paste
`P`	Paste before
`"*p` / `"+p`	Paste from system clipboard
`"*y` / `"+y`	Paste to system clipboard

Visual mode

`v`	Enter visual mode
`V`	Enter visual line mode

`<C-V>`	Enter visual block mode

In visual mode

`d` / `x`	Delete selection
`s`	Replace selection
`y`	Yank selection *(Copy)*

See Operators for other things you can do.

Find & Replace

:%s/foo/bar/g	Replace foo with bar in whole document

#Operators

Usage

Operators let you operate in a range of text (defined by *motion*). These are performed in normal mode.

`d`	`w`
Operator	Motion

Operators list

`d`	Delete
`y`	Yank *(copy)*
`c`	Change *(delete then insert)*
`>`	Indent right
`<`	Indent left
`=`	Autoindent
`g~`	Swap case
`gU`	Uppercase
`gu`	Lowercase
`!`	Filter through external program

See `:help operator`

Examples

Combine operators with *motions* to use them.

`d` *d*	*(repeat the letter)* Delete current line
`d` *w*	Delete to next word
`d` *b*	Delete to beginning of word
2 `dd`	Delete 2 lines
`d` *ip*	Delete a text object *(inside paragraph)*
(in visual mode) `d`	Delete selection

See: `:help motion.txt`

#Text objects

Usage

Text objects let you operate (with an *operator*) in or around text blocks (*objects*).

`v`	`i`	`p`
Operator	[i]nside or [a]round	Text object

Text objects

`p`	Paragraph
`w`	Word
`s`	Sentence
`[` `(` `{` `<`	A [], (), or {} block
`'` `"` `` ` ``	A quoted string
`b`	A block [(
`B`	A block in [{
`t`	A XML tag block

Examples

`vip`	Select paragraph
`vipipipip`	Select more

`yip`	Yank inner paragraph
`yap`	Yank paragraph (including newline)
`dip`	Delete inner paragraph
`cip`	Change inner paragraph

See Operators for other things you can do.

Diff

`gvimdiff file1 file2 [file3]`	See differences between files, in HMI

#Misc

Folds

`zo` / `zO`	Open
`zc` / `zC`	Close
`za` / `zA`	Toggle
`zv`	Open folds for this line
`zM`	Close all
`zR`	Open all
`zm`	Fold more *(foldlevel += 1)*
`zr`	Fold less *(foldlevel -= 1)*
`zx`	Update folds

Uppercase ones are recursive (eg, `z0` is open recursively).

Navigation

`%`	Nearest/matching `{[()]}`
`[( [{ [<`	Previous `(` or `{` or `<`
`])`	Next
`[m`	Previous method start
`[M`	Previous method end

Jumping

`<C-O>`	Go back to previous location
`<C-I>`	Go forward
`gf`	Go to file in cursor

Counters

`<C-A>`	Increment number
`<C-X>`	Decrement

Windows

`z{height}<Cr>`	Resize pane to `{height}` lines tall

Tags

`:tag Classname`	Jump to first definition of Classname
`<C-]>`	Jump to definition
`g]`	See all definitions
`<C-T>`	Go back to last tag
`<C-O> <C-I>`	Back/forward
`:tselect Classname`	Find definitions of Classname
`:tjump Classname`	Find definitions of Classname (auto-select 1st)

Case

`~`	Toggle case (Case => cASE)
`gU`	Uppercase
`gu`	Lowercase
`gUU`	Uppercase current line (also `gUgU`)
`guu`	Lowercase current line (also `gugu`)

Do these in visual or normal mode.

Marks

`` `^ ``	Last position of cursor in insert mode

`` `. ``	Last change in current buffer
`` `" ``	Last exited current buffer
`` `0 ``	In last file edited
`` '' ``	Back to line in current buffer where jumped from
`` `` ``	Back to position in current buffer where jumped from
`` `[ ``	To beginning of previously changed or yanked text
`` `] ``	To end of previously changed or yanked text
`` `< ``	To beginning of last visual selection
`` `> ``	To end of last visual selection
`ma`	Mark this cursor position as `a`
`` `a ``	Jump to the cursor position `a`
`'a`	Jump to the beginning of the line with position `a`
`d'a`	Delete from current line to line of mark `a`
`` d`a ``	Delete from current position to position of mark `a`
`c'a`	Change text from current line to line of `a`
`` y`a ``	Yank text from current position to position of `a`
`:marks`	List all current marks
`:delm a`	Delete mark `a`
`:delm a-d`	Delete marks `a`, `b`, `c`, `d`
`:delm abc`	Delete marks `a`, `b`, `c`

Misc

`.`	Repeat last command
`]p`	Paste under the current indentation level
`:set ff=unix`	Convert Windows line endings to Unix line endings

Command line

`<C-R><C-W>`	Insert current word into the command line
`<C-R>"`	Paste from “ register
`<C-X><C-F>`	Auto-completion of path in insert mode

Text alignment

```
:center [width]
:right [width]
:left
```

See `:help formatting`

Calculator

`<C-R>=128/2`	Shows the result of the division : ‘64’

Do this in insert mode.

Exiting with an error

```
:cq
:cquit
```

Works like `:qa`, but throws an error. Great for aborting Git commands.

Spell checking

`:set spell spelllang=en_us`	Turn on US English spell checking
`]s`	Move to next misspelled word after the cursor
`[s`	Move to previous misspelled word before the cursor
`z=`	Suggest spellings for the word under/after the cursor
`zg`	Add word to spell list
`zw`	Mark word as bad/mispelling
`zu` / `C-X (Insert Mode)`	Suggest words for bad word under cursor from spellfile

See `:help spell`

#Also see