# Vim

## Exiting

| | |
|---|---|
| :q | Close file |
| :qa | Close all files |
| :w | Save |
| :wq \| :x | Save and close file |
| ZZ | Save and quit |
| ZQ | Quit without saving |

### Exiting insert mode

| | |
|---|---|
| Esc \| C-[ | Exit insert mode |
| C-C | Exit insert mode and abort current command |
| :cq \| cquit | Exit with error |

### Counters

| | |
|---|---|
| C-A | Increment number |
| C-X | Decrement number |

## Editing

### 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 char |
| R | Enter replace mode |
| u | Undo changes |
| C-R | Redo changes |

### Clipboard

| | |
|---|---|
| X | Delete char |
| 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 |
| :%s/foo/bar/g | Replace foo with bar in whole document |

## Navigating

### Directions

| | |
|---|---|
| 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 word |

### Line

| | |
|---|---|
| 0 | Start of line |
| ^ | Start of line (whitespace) |
| $ | End of line |

### Character

| | |
|---|---|
| fc | Go forward to char c |
| Fc | Go backward to char c |

### Document

| | |
|---|---|
| gg | First line |
| G | Last line |
| :{num} | Go to line {num} |
| {num}G | Go to line {num} |
| {num}j | Go down {num} lines |
| {num}k | Go up {num} 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 |

## Operators

### Usage

| | |
|---|---|
| d | Operator |
| w | Motion |

### Examples

| | |
|---|---|
| dd | Delete current line |
| dw | Delete to next word |
| db | Delete to beginning of word |
| 2dd | Delete 2 lines |
| dip | Delete text object (in para) |
| d | Delete selection (visual mode) |

### 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 |

## Tab pages

| | |
|---|---|
| :tabedit file | Edit file in new tab |
| :tabfind file | Open file 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 |

## Jumping

| | |
|---|---|
| C-O | Go back to previous location |
| C-I | Go forward |
| gf | Go to file in cursor |

# VIM

## Text Objects

| Usage | | | Text objects | |
|---|---|---|---|---|
| **v** | Operator | | **p** | Paragraph |
| **i** | Inside | | **w** | Word |
| **a** | Around | | **s** | Sentence |
| **p** | Text object | | **[ ( { <** | A [], (), {} block |
| Examples | | | **' " `** | A quoted string |
| **vip** | Select paragragh | | **b** | A block [( |
| **vipipip** | Select more | | **B** | A block [{ |
| **yip** | Yank inner paragraph | | **t** | A xml tag |
| **yap** | Yank paragraph (new line) | | Diff | |
| **dip** | Delete inner paragraph | | **gvimdiff file1 file2** | See difference between files |
| **cip** | Change inner paragraph | | | |

## Tags

| | |
|---|---|
| **:tag class** | Jump to first definition of class |
| **C-]** | Jump to definition |
| **g]** | See all definitions |
| **C-T** | Go back to last tag |
| **C-O C-I** | Back / forward |
| **:tselect class** | Find definitions of class |
| **:tjump class** | Find definitions of class (auto) |

## Misc

| | |
|---|---|
| **.** | Repeat last command |
| **]p** | Paste under the current indentation level |

## Misc

| Marks | | | Folds | |
|---|---|---|---|---|
| **`^** | Last position of cursor in insert mode | | **zo | zO** | Open |
| **`.** | Last change in current buffer | | **zc | zC** | Close |
| **`"** | Last exited current buffer | | **za | zA** | Toggle |
| **`0** | In last file edited | | **zv** | Open folds for this line |
| **''** | Back to line in current buffer where jumped from | | **zM** | Close all |
| **``** | Back to position in current buffer where jumped from | | **zR** | Open all |
| **`[** | To beginning of previously changed or yanked text | | **zm** | Fold more (+=1) |
| **`]** | To end of previously changed or yanked text | | **zr** | Fold less (-=1) |
| **`<** | To beginning of last visual selection | | **zx** | Update folds |
| **`>** | To end of last visual selection | | Navigation | |
| **ma** | Mark this cursor position as a | | **%** | Nearest/matching {[()]} |
| **`a** | Jump to the cursor position a | | **[( [{ [<** | Previous ( { < |
| **'a** | Jump to the beginning of line with position a | | **])** | Next |
| **d'a** | Delete from current line to line of mark a | | **[m** | Previous method start |
| **d`a** | Delete from current position to position of mark a | | **[M** | Previous method end |
| **c'a** | Change text from current line to line of a | | Spell Check | |
| **y`a** | Yank text from current position to position of a | | **:set spell spelllang=en_us** | Turn on US English spell check |
| **:marks** | List all current marks | | | |
| **:delm a** | Delete mark a | | **]s** | Next misspelled word |
| **:delm a-d** | Delete marks a, b, c, d | | **[s** | Previous misspelled word |
| **:delm abc** | Delete marks a, b, c | | **z=** | Suggest spellings for the word |
| Command Line | | | **zg** | Add word to spell list |
| **C-R C-W** | Insert current word into the command line | | **zw** | Mark word as misspelled |
| **C-R** | Paste from " register | | **zu** | Suggest words for bad word |
| **C-X C-F** | Auto completion of path in insert mode | | | |