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| Starting VIM | |
| vim *file* | edit *file* |
| vim +*n* *file* | edit *file* at line *n* |
| vim + *file* | edit *file* at end of file |
| vim +/*str* *file* | edit *file* at first instance of *str* |
| *command* | vim - | edit output of *command* in vim |

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| Exiting VIM | |
| :w | write (save) the file, but don't exit |
| :wq | write (save) and quit |
| :q | quit (fails if anything has changed) |
| :q! | quit and throw away changes |
| :qa | quit all open buffers |
| :wqa | write (save) and quit all open buffers |

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| General | |
| u | undo |
| U | undo all changes to line |
| Ctrl+r | redo |
| Ctrl+l | redraw screen |
| Ctrl+g | display line and file info |
| . | repeat last command |
| :info | show every session, window, pane, etc. |

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| Visual Mode | |
| v | start visual mode |
| V | start visual line mode |
| gv | reselect last block |
| Ctrl+v | start visual block mode |
| o | move to other end of marked area |
| O | move to other corner of block |

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| Visual Commands | |
| y | yank marked text |
| d | delete marked text |
| c | delete the marked text and go into insert mode |
| u | lowercase the selected text |
| U | uppercase the selected text |
| > | shift text right |
| < | shift text left |
| = | auto-indent line |
| ~ | change case |

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| Delete Text | |
| x | delete to the right of cursor |
| X | delete to the left of cursor |
| dd | delete the current line |
| D | delete to the end of line |
| d*m* | deletes from the cursor to the move-to point |
| di*(* | delete inner text between *(* chars |
| *:x*,*y*d | delete lines *x* through *y* |

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| Insert/Appending/Changing Text | |
| i | insert before cursor |
| I | insert at beginning of line |
| a | append after cursor |
| A | append at end of line |
| o | add new line after current line |
| O | add new line before current line |
| r*c* | replace a single character c |
| R | replace many characters |
| :r *file* | read *file* and insert if after line |
| s*c* | substitute single character *c* and enter Insert |
| S | substitute the current line and enter Insert |
| J | join line below to the current one |
| *n*J | join next *n* lines |
| Cc | change an entire line |
| c*m* | change from the cursor to the *move-to* point |
| ci*(* | change inner text between *(* chars |
| Ctrl+w | delete backwards one word |
| Ctrl+u | delete to beginning of line |
| Ctrl+t | indent current line |
| Ctrl+d | remove current line indentation |

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| Cursor Movement (command/normal mode) | |
| w | jump by start of words |
| W | jump by words (spaces separate words) |
| b | jump backward by words |
| B | jump backward by words (no punctuation) |
| e | jump to end of words |
| E | jump to end of words (no punctuation) |

Above commands can be preceded by a number for repetition

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| Advanced Cursor Movement (command/normal mode) | |
| H | top of screen |
| M | middle of screen |
| L | bottom of screen |
| 0 or ^ | beginning of line |
| $ | end of line |
| ( | back a sentence (the previous . or blank line) |
| ) | forward a sentence (the next . or blank line) |
| } | forward by paragraph (the next blank line) |
| { | backward by paragraph (the next blank line) |
| % | jump to next match punctuation |

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| Cursor Searching | |
| f*c* | move to the next *c* on the current line after the cursor |
| F*c* | move to the next *c* on the current line before the cursor |
| t*c* | move to before the next *c* on the current line after the cursor |
| T*c* | move to before the next *c* on the current line before the cursor |

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| Window Movement | |
| Ctrl+u | move up half a page |
| Ctrl+d | move down half a page |
| Ctrl+b | page backwards |
| Ctrl+f | page forwards |
| 1G or gg | start of file |
| G | end of file |
| :*n* or *n*G | go to *n* line in file |
| z<cr> | reposition window cursor at top |
| z. | reposition window cursor at middle |
| z- | reposition window cursor at bottom |

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| Cut/Paste Text | |
| yy | yank the current line |
| yw | yank the current word |
| p | put the clipboard after cursor |
| P | put before cursor |
| *:x*,*y*y | yank lines *x* through *y* |

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| Search/Replace | |
| /*pattern* | search for *pattern* |
| ?*pattern* | search backward for *pattern* |
| n | repeat search in same direction |
| N | repeat search in opposite direction |
| :*x*,*y*g/*str* | search from line *x* to *y* for *str* |
| \* | next instance of current word |
| # | previous instance of current word |
| :%s/*old*/*new*/g | replace all *old* with *new* |
| :%s/*old*/*new*/gc | replace all *old* with *new* with confirmations |

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| Marks | |
| m*{a-z}* | set mark *{a-z}* at cursor position in current file |
| m*{A-Z}* | set global mark *{A-Z}* which works between files |
| ‘*{a-z}* | move the cursor to the start of the line where the mark was set |
| `*{a-z}* | move the cursor to line and column where the mark was set |
| ‘’ | go back to the previous jump location |
| ‘*{0-9}* | go to last *n* location of cursor before vim exited |
| ‘” | go to last cursor position in current buffer |
| ‘. | go to the position the last change was made |

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| Jumps | |
| :jumps | list current jumps |
| Ctrl+i | jump backwards through list |
| Ctrl+o | jump forwards through list |
| g; | go backwards in the change list |
| g, | go forwards in the change list |

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| Folding | |
| zc | close folds at cursor |
| zo | open folds at cursor |
| za | toggle folding at cursor |
| zr | reduce all folding |
| zm | adds one layer of folding |

Changing the modification key to capital will modify all folding

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| Registers and Macros | |
| :reg | list named registers |
| “*k*p | print data or macro in register *k* |
| *qk* | record macro into register *k* |
| @*k* | execute register *k* |
| *n*@@ | repeat macro *n* times |

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| Buffers and Windows | |
| :next *path/f\** | open multiple *file* buffers |
| :find *file* | find *file* recursively and open open |
| :ls | list buffers |
| :b *file* | switch to buffer *file* |
| :sb *file* | split window with buffer *file* |
| gb | list buffers and populate buffer prompt |
| :bd *file* | delete file buffer |
| :%bd | delete all file buffers |
| - or :sp | horizontally split window |
| | or :vsp | vertically split window |
| <tab> or Ctrl+ww | switch between windows |
| Ctrl+wr | swap the window splits |
| Ctrl+c or Ctrl+wq | quit a window |

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| Spelling | |
| F7 or :set spell | toggle spelling |
| ]s | forward to next spelling error |
| [s | backwards to previous spelling error |
| zg | add word to personal dictionary |
| zG | add word for this session |
| zw | add word as misspelling to personal dictionary |
| zW | add word as misspelling for this session |
| z= | show suggestions |
| :spellr | repeat last replacement for all words |