

## Moving

|                      |  |
|----------------------|--|
| <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 [j/k/l]</b>    | move in a specified direction multiple times                     |
| <b>b / B</b>         | move to the start of a word / token                              |
| <b>w / W</b>         | move to the start of the next word / token                       |
| <b>e / E</b>         | move to the end of a word / token                                |
| <b>0 (zero)</b>      | jump to the beginning of line                                    |
| <b>\$</b>            | jump to the end of line  |
| <b>^</b>             | jump to the first (non-blank) character of line                  |
| <b>#G / #gg / :#</b> | move to a specified line number (replace # with the line number) |

## Moving by Screens

|               |   |
|---------------|---|
| <b>Ctrl+b</b> | move back one full screen                         |
| <b>Ctrl+f</b> | move forward one full screen                      |
| <b>Ctrl+d</b> | move forward 1/2 a screen                         |
| <b>Ctrl+u</b> | move back 1/2 a screen                            |
| <b>Ctrl+e</b> | move screen down one line (without moving cursor) |
| <b>Ctrl+y</b> | move screen up one line (without moving cursor)   |
| <b>Ctrl+o</b> | move backward through the jump history            |
| <b>Ctrl+i</b> | move forward through the jump history             |
| <b>H</b>      | move to the top of the screen                     |
| <b>M</b>      | move to the middle of the screen                  |
| <b>L</b>      | move to the bottom of the screen                  |

## Searching

|                 |   |
|-----------------|---|
| <b>*</b>        | jump to the next instance of a word         |
| <b>#</b>        | jump to the previous instance of a word     |
| <b>/pattern</b> | search forward for the specified pattern    |
| <b>?pattern</b> | search backward for the specified pattern   |
| <b>n</b>        | repeat the search in the same direction     |
| <b>N</b>        | repeat the search in the opposite direction |

## Inserting

|            |  |
|------------|--|
| <b>i</b>   | switch to insert mode before the cursor  |
| <b>I</b>   | insert text at the beginning of the line |
| <b>a</b>   | switch to insert mode after the cursor   |
| <b>A</b>   | insert text at the end of the line       |
| <b>o</b>   | open a new line below the current one    |
| <b>O</b>   | open a new line above the current one    |
| <b>ea</b>  | insert text at the end of the word       |
| <b>Esc</b> | exit insert mode                         |

## Editing

|                |   |
|----------------|---|
| <b>r</b>       | replace a single character (+ return to command mode) |
| <b>cc</b>      | replace entire line (+ move into insert mode)         |
| <b>C / c\$</b> | replace from cursor to the end of line                |
| <b>cw</b>      | replace from cursor to the end of the word            |
| <b>s</b>       | delete a character (+ move into insert mode)          |
| <b>J</b>       | merge with line below, separated with a single space  |
| <b>gl</b>      | merge with line below, with no space between          |
| <b>.</b>       | repeat last command                                   |

## Undoing/Redoing

|                       |                                 |
|-----------------------|---------------------------------|
| <b>u / :u / :undo</b> | undo changes made in last entry |
| <b>#u</b>             | undo multiple changes           |
| <b>U</b>              | undo latest changes in line     |
| <b>Ctrl+r</b>         | redo the last undone entry      |
| <b>#Ctrl+r</b>        | redo multiple changes           |
| <b>:undolist</b>      | list undo branches              |

## Deleting

|                      |   |
|----------------------|---|
| <b>dd / D</b>        | delete a single line                                |
| <b>dw</b>            | delete a single word                                |
| <b>#dd / d#d</b>     | delete multiple lines                               |
| <b>:#,#d</b>         | delete a range of lines                             |
| <b>:%d</b>           | delete all lines                                    |
| <b>:\$d</b>          | delete from current line to the end of file         |
| <b>dgg</b>           | delete from current line to the beginning of file   |
| <b>:g /pattern/d</b> | delete lines containing a specified pattern         |
| <b>:g!/pattern/d</b> | delete lines that don't contain a specified pattern |
| <b>:g/^\$/d</b>      | delete all blank lines                              |

## Copying

|            |   |
|------------|---|
| <b>yy</b>  | copy an entire line   |
| <b>#yy</b> | copy the specified number of lines  |
| <b>yaw</b> | copy a word with its trailing whitespace  |
| <b>yiw</b> | copy a word without its trailing white-space  |
| <b>y\$</b> | copy everything right of the cursor   |
| <b>y^</b>  | copy everything left of the cursor  |
| <b>ytx</b> | copy everything between the cursor and a specified character (x)                        |
| <b>yfx</b> | copy everything between the cursor and a specified character (including that character) |

## Cutting

|            |                                 |
|------------|---------------------------------|
| <b>dd</b>  | cut the entire line             |
| <b>#dd</b> | cut a specified number of lines |
| <b>d\$</b> | everything right of the cursor  |

## Pasting

|          |                              |
|----------|------------------------------|
| <b>p</b> | paste text after the cursor  |
| <b>P</b> | paste text before the cursor |

## Marking

|               |   |
|---------------|---|
| <b>v</b>      | marking text using character mode                 |
| <b>V</b>      | mark lines using line mode                        |
| <b>Ctrl+v</b> | mark text using block mode                        |
| <b>o</b>      | move from one end of the marked text to the other |
| <b>aw</b>     | mark a word                                       |
| <b>ab</b>     | mark a block with ()                              |
| <b>aB</b>     | mark a block with {}                              |
| <b>at</b>     | mark a block with <>                              |
| <b>ib</b>     | mark inner block ()                               |
| <b>iB</b>     | mark inner block {}                               |
| <b>it</b>     | mark inner block <>                               |

## Visual Commands

|          |                                     |
|----------|-------------------------------------|
| <b>y</b> | yank (copy) the marked text         |
| <b>d</b> | delete (cut) the marked text        |
| <b>p</b> | paste the text after the cursor     |
| <b>u</b> | change the marked text to lowercase |
| <b>U</b> | change the marked text to uppercase |

## Color Schemes

|  |                                 |
|--|---------------------------------|
| <b>:colorscheme [colorscheme_name]</b> | change to specified scheme      |
| <b>:colorscheme [space]+Ctrl+d</b>     | list available Vim color scheme |

## Marks and Jumps

|                 |   |
|-----------------|---|
| <b>m[a-z]</b>   | marking text using character mode [from a to z] |
| <b>M[a-z]</b>   | mark lines using line mode [from a to z]        |
| <b>`a</b>       | jump to position marked a                       |
| <b>`y`a</b>     | yank text to position marked a                  |
| <b>``</b>       | jump to last change in file                     |
| <b>``</b>       | jump to last edit in file                       |
| <b>`O</b>       | jump to position where Vim was last existed     |
| <b>``</b>       | jump to last jump                               |
| <b>:marks</b>   | list all marks                                  |
| <b>:jumps</b>   | list all jumps                                  |
| <b>:changes</b> | list all changes                                |
| <b>Ctrl+i</b>   | move to next instance in jump list              |
| <b>Ctrl+o</b>   | move to previous instance in jump list          |
| <b>g,</b>       | move to next instance in change list            |
| <b>g;</b>       | move to previous instance in change list        |

## Macros

|           |                      |
|-----------|----------------------|
| <b>qa</b> | record macro a       |
| <b>q</b>  | stop recording macro |
| <b>@a</b> | run macro a          |
| <b>@@</b> | run last macro again |

## Multiple Files

|                      |   |
|----------------------|---|
| <b>:e file_name</b>  | open a file in a new buffer                                 |
| <b>:bn</b>           | move to next buffer   |
| <b>:bp</b>           | go back to previous buffer                                  |
| <b>:bd</b>           | close buffer  |
| <b>:b#</b>           | move to the specified buffer (by number)                    |
| <b>:b file_name</b>  | move to the specified buffer (by name)                      |
| <b>:ls</b>           | list all buffers  |
| <b>:sp file_name</b> | open a file in a new buffer and split viewport horizontally |
| <b>:vs file_name</b> | open a file in a new buffer and split viewport vertically   |
| <b>:vert ba</b>      | edit all files as vertical viewports                        |
| <b>:tab ba</b>       | edit all buffers as tabs                                    |
| <b>gt</b>            | move to next tab  |
| <b>gT</b>            | move to previous tab  |
| <b>Ctrl+ws</b>       | split viewport horizontally                                 |
| <b>Ctrl+ww</b>       | split viewport vertically                                   |
| <b>Ctrl+ww</b>       | switch viewports  |
| <b>Ctrl+wq</b>       | quit a viewport   |
| <b>Ctrl+wx</b>       | exchange current viewport with next one                     |
| <b>Ctrl+=</b>        | make all viewports equal height and width                   |