

Essentials

Cursor movement (Normal/Visual Mode)

- `h j k l` - Arrow keys
- `w / b` - Next/previous word
- `W / B` - Next/previous word (space separated)
- `e / ge` - Next/previous end of word
- `0 / $` - Start/End of line
- `^` - First non-blank character of line (same as `0w`)

Editing text

- `i / a` - Start insert mode at/after cursor
- `I / A` - Start insert mode at the beginning/end of the line
- `o / O` - Add blank line below/above current line
- `Esc` or `Ctrl+[` - Exit insert mode
- `d` - Delete
- `dd` - Delete line
- `c` - Delete, then start insert mode
- `cc` - Delete line, then start insert mode

Operators

- Operators also work in Visual Mode
- `d` - Deletes from the cursor to the movement location
- `c` - Deletes from the cursor to the movement location, then starts insert mode
- `y` - Copy from the cursor to the movement location
- `>` - Indent one level
- `<` - Unindent one level
- You can also combine operators with motions. Ex: `d$` deletes from the cursor to the end of the line.

Marking text (visual mode)

- `v` - Start visual mode
- `V` - Start linewise visual mode
- `Ctrl+v` - Start visual block mode
- `Esc` or `Ctrl+[` - Exit visual mode

Clipboard

- `yy` - Yank (copy) a line
- `p` - Paste after cursor
- `P` - Paste before cursor
- `dd` - Delete (cut) a line
- `x` - Delete (cut) current character
- `X` - Delete (cut) previous character
- `d / c` - By default, these copy the deleted text

Exiting

- `:w` - Write (save) the file, but don't quit
- `:wq` - Write (save) and quit
- `:q` - Quit (fails if anything has changed)
- `:q!` - Quit and throw away changes

Search/Replace

- `/pattern` - Search for pattern
- `?pattern` - Search backward for pattern
- `n` - Repeat search in same direction
- `N` - Repeat search in opposite direction
- `:%s/old/new/g` - Replace all old with new throughout file (`gn` is better though)
- `:%s/old/new/gc` - Replace all old with new throughout file with confirmations

General

- `u` - Undo
- `Ctrl+r` - Redo

Advanced

Cursor movement

- `Ctrl+d` - Move down half a page
- `Ctrl+u` - Move up half a page
- `}` - Go forward by paragraph (the next blank line)
- `{` - Go backward by paragraph (the next blank line)
- `gg` - Go to the top of the page
- `G` - Go the bottom of the page
- `: [num] [enter]` - Go to that line in the document
- `ctrl+e` / `ctrl+y` - Scroll down/up one line

Character search

- `f [char]` - Move forward to the given char
- `F [char]` - Move backward to the given char
- `t [char]` - Move forward to before the given char
- `T [char]` - Move backward to before the given char
- `;` / `,` - Repeat search forwards/backwards

Editing text

- `J` - Join line below to the current one
- `r [char]` - Replace a single character with the specified char (does not use Insert mode)

Visual mode

- `O` - Move to other corner of block
- `o` - Move to other end of marked area

File Tabs

- `:e filename` - Edit a file
- `:tabe` - Make a new tab
- `gt` - Go to the next tab
- `gT` - Go to the previous tab
- `:vsp` - Vertically split windows
- `ctrl+ws` - Split windows horizontally
- `ctrl+wv` - Split windows vertically
- `ctrl+ww` - Switch between windows
- `ctrl+wq` - Quit a window

Marks

- Marks allow you to jump to designated points in your code.
- `m{a-z}` - Set mark {a-z} at cursor position

- A capital mark {A-Z} sets a global mark and will work between files
- '{a-z} - Move the cursor to the start of the line where the mark was set
- '' - Go back to the previous jump location

Text Objects

- Say you have `def (arg1, arg2, arg3)` , where your cursor is somewhere in the middle of the parenthesis.
- `di(` deletes everything between the parenthesis. That says “change everything inside the nearest parenthesis”. Without text objects, you would need to do `T(dt)` .
- [Learn more](#)

General

- `.` - Repeat last command
- `Ctrl+r + 0` in insert mode inserts the last yanked text (or in command mode)
- `gv` - reselect (select last selected block of text, from visual mode)
- `%` - jumps between matching `()` or `{}`