**Essentials**

**Cursor movement (Normal/Visual Mode)**

* h j k l - Arrow keys (move: left, down, up, right)
* w / b - Next/previous word (move start letter)
* W / B - Next/previous word (space separated) (start letter)
* e / ge - Next/previous end of word (move last letter)
* [n][action/movement] do n times, e.g. 3w, 30i- Esc gives 30 x –
* ; / , - Repeat search forwards/backwards (repeat last f or F)
* i / a - Start insert mode at/after cursor (change the insert mode)
* I / A - Start insert mode at the beginning/end of the line (change the insert mode)
* f [char] - Move forward to the given char (next)
* F [char] - Move backward to the given char (previous)
* \* / # - Find next / previous occurrence of the under cursor
* % - jumps between matching () or {}
* 0 / $ - Start / End of line (move to start/end of line)
* gg - Go to the top of the page
* G - Go the bottom of the page
* /yourtext and then: n, N Search text
* o / O - Add blank line below/above current line and insert mode
* x - Delete (cut) current character
* X - Delete (cut) previous character
* r[char] replaces character below cursor
* . - Repeat last command
* yy - Yank (copy) a line (copy current line)
* p - Paste after cursor
* P - Paste before cursor
* ^ - First non-blank character of line (same as 0w)

**Editing text**

* i / a - Start insert mode at/after cursor (change the insert mode)
* I / A - Start insert mode at the beginning/end of the line (change the insert mode)
* 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 line wise 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](http://vimcasts.org/episodes/operating-on-search-matches-using-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 (next)
* F [char] - Move backward to the given char (previous)
* 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](http://blog.carbonfive.com/2011/10/17/vim-text-objects-the-definitive-guide/)

**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 {}