**VIM**

Vim is case-sensitive.

**Modes**: There are three basic modes in Vim:

* **Command**mode is where you can run commands. This is the default mode in which Vim starts up.
* **Insert**mode is where you insert i.e. write the text.
* **Visual**mode is where you visually select a bunch of text so that you can run a command/operation only on that part of the text.

**Commands:**

**Insert Mode:**

**i** – go to insert mode before the cursor

**I** – go to insert mode at the beginning of the line

**a** - insert (append) after the cursor

**A** - insert (append) at the end of the line

**o-** put a new line below and go in insert mode.

**O-** put a new line above and go in insert mode.

**esc-** to go to command mode.

**Navigation:**

**j** to move down.

**k** to move up.

**h** to move left.

**l** to move right.

**Note:** Using numbers with commands to loop them. Eg- 5j to move 5 lines down, 5{ to move 5 blocks up.

**L** - move to bottom of screen

**H**- move to top of screen

**M** - move to middle of screen

**G-** move to bottom of the file.

**gg**- move to top of the file.

**{-** move to the start of a block of code.

**}-** move to the end of a block of code.

**w-** move to the next word in the same line.

**b-** move to the previous word in the same line.

**0-** go to the starting of a line/para.

**^-** go to the first word of a line/para (0 too).

**$-** go to the end of a line/para.

**t-** go to a character in the line (one left to it) [t+character].

**f-** go to a character in the line [f+character].

**%-** move to next matching.

**Save and Quit:**

**:q** - quit (fails if there are unsaved changes)

**:w** - write (save) the file

**:wq** or **:x** or **ZZ** - save and quit

**:q!** or **ZQ** - quit and throw away unsaved changes

**:wqa** - write (save) and quit on all tabs

**:w !sudo tee %** - write out the current file using sudo

**Function cmds:**

**dd**- delete/cut the line.

d+any navigation button- delete

**x-** to cut(acts as del)

**X-** to cut (acts as backspace)

**u-** undo

**ctrl+r** to redo

**.(period)** to repeat things. Eg- dd to delete a line and then use . to again delete a line.

**yy-** to copy, **p** to paste down(after the cursor) and **P** to paste up(before the cursor).

**V-** select multiple words at a time.

**d-** delete marked text

**C-** change a word or delete the current word.

**D-** delete the right part.

**d+t+char-** to delete till that character in the line.

**\* -** go to next occurrence of a word.

**zz-** to go to the center line.

**~ -** toggle case.

**r-** replace a character.

**>-** indent the code.

**v-** select multiple words on the same line.

**Ctrl+v**- select the columns of each line

**Macros:**

**q + [calling key]-** to set macro.

**q** - stop recording macro

**@key** - run macro

**@@** - rerun last run macro