**VIM Editor Commands**

Vim is an editor to create or edit a text file.

**Changing mode from one to another**

**From** command mode **to** insert mode type **a**/**A**/**i**/**I**/**o**/**O** ( see details below)

**From** insert mode **to** command mode type **Esc** (escape key)

Some useful commands for VIM

**Insert Text Entry Commands** (Used to start text entry)

**a** Append text following current cursor position

**A** Append text to the end of current line

**i** Insert text before the current cursor position

**I** Insert text at the beginning of the cursor line

**o** Open up a new line Below the cursor position and add text there

**O** Open up a new line Above the cursor position and add text there

**The following commands are used only in the commands mode.**

**Cursor Movement Commands**

h Moves the cursor one character to the left

l Moves the cursor one character to the right

k Moves the cursor up one line

j Moves the cursor down one line

:set nu -- set number to the lines

nG or :n Cursor goes to the specified (n) line

*(ex. 10G goes to line 10)*

^f One page forward

^b One page backward

$ Move cursor to the end of current line

0 (zero) Move cursor to the beginning of current line

w Forward one word

b Backward one word

**Exit Commands**

:wq Write file to disk and quit the editor

:q! Quit (no warning)

:q Quit (a warning is printed if a modified file has not been saved)

ZZ Save workspace and quit the editor (same as :wq)

:10,25 w temp

write lines 10 through 25 into file named temp. Of course, other line

numbers can be used. (Use :f to find out the line numbers you want.

**Text Deletion Commands**

x Delete character

dw Delete word from cursor on

db Delete word backward

dd Delete line

d$ Delete to end of line

d^ (d caret, not CTRL d) Delete to beginning of line

**Yank** (has most of the options of delete)-- VI's **copy** commmand

yy yank current line

y$ yank to end of current line from cursor

yw yank from cursor to end of current word

5yy yank, for example, 5 lines

**Paste** (used after delete or yank to recover lines.)

p paste below cursor

P paste above cursor

"2p paste from buffer 2 (there are 9)

u Undo last change

U Restore line

J Join next line down to the end of the current line

**File Manipulation Commands**

:w Write workspace to original file

:r file Read contents of a file to the workspace

**Other Useful Commands**

Most commands can be repeated n times by typing a number, n, before

the command. For example 10dd means delete 10 lines.

. Repeat last command

cw Change current word to a new word

r Replace one character at the cursor position

R Begin overstrike or replace mode � use ESC key to exit

:/ pattern Search forward for the pattern

:? pattern Search backward for the pattern

n (used after either of the 2 search commands above to

continue to find next occurrence of the pattern.

:g/pat1/s//pat2/g replace every occurrence of pattern1 (pat1) with

pat2

**Example :q!**

This will find and replace tIO by Ada.text\_IO everywhere in the file.

:g/a/s// /g replace the letter a, by blank

:g/a/s///g replace a by nothing

note: Even this command be undone by u

Creating a password-protected file using Vim

$ vim –x <filename.txt>

## Changing password for a file in vim

he password for the encrypted file can also be changed. For that open the file in Vim and hit**:X**.

## Removing password

To remove the password from the encrypted file, open the file in Vim editor and hit **:X.**

Now when you will be asked to provide encryption key, leave it blank, and just press **Enter** twice. Then press **Esc** key and type **:wq** to save and exit the file.

**Examples**

**Opening a New File**

Step 1 type **vim *filename*** (create a file named *filename*)

Step 2 type **i** ( switch to insert mode)

Step 3 enter text (enter your Ada program)

Step 4 hit **Esc key** (switch back to command mode)

Step 5 type **:wq** (write file and exit vim)

**Editing the Existing File**

Step 1 type **vim *filename*** (edit the existing file named filename)

Step 2 move around the file using **h**/**j**/**k**/**l** key or any appropriate command

**h** Moves the cursor one character to the left

**l** Moves the cursor one character to the right

**k** Moves the cursor up one line

**j** Moves the cursor down one line

**nG** or :n Cursor goes to the specified (n) line

*(ex. 10G goes to line 10)*

Step 3 **edit** required text (replace or delete or insert)

Step 4 hit **Esc** key (exit from insert mode if you insert or replace text)

Step 5 type **:wq**