**vi is an editor**

vi has two modes:

* command mode
* insert mode
* execute mode

In command mode, the letters of the keyboard perform editing functions (like moving the cursor, deleting text, etc.). To enter command mode, press the escape <Esc> key.

In insert mode, the letters you type form words and sentences. Unlike many word processors, vi starts up in command mode.

Execute Mode uses : followed by q, q!,w, wq,x

To type in contents in file edited by VI , use <ESC a>.

<ESC :> moves to the command mode

<ESC : w> saves the file

<ESC : q> quits the file editter

<ESC : wq> saves the file and exits

<ESC : x> save and quit

X=wq

<ESC : q!> quits without saving

Grep

The grep filter searches a file for a particular pattern of characters, and displays all lines that contain that pattern. The pattern that is searched in the file is referred to as the regular expression (grep stands for globally search for regular expression and print out).

-c : This prints only a count of the lines that match a pattern

-h : Display the matched lines, but do not display the filenames.

-i : Ignores, case for matching

-n : Display the matched lines and their line numbers.

-v : This prints out all the lines that do not matches the pattern

Cut

Roll | Name | Dept | HOD

1 | ABC | CSE | MDu

2 | PQR | IT | AKS

cut -c 2,5,7 state.txt

cut -c 1-7 state.txt

cut -c -5 state.txt

cut -d "delimiter" -f (field number) file.txt

cut -d " | " -f 1 state.txt

cut -d "| " -f 1-3 state.txt 4-7

cut -d "| " -f 1,3 state.txt

Sort

sort -n filename.txt

sort -nr filename.txt

sort -k 2n employee.txt

Cmp

Cmp file1 file2

Tr

cat geekfile | tr “[:lower:]” “[:upper:]”