LINUX CLASS-4

**VIM EDITOR:** This is used to edit the data in a ﬁles in linux machine. It has 3 modes

**Vim file\_name:** to get the data in file.

1. COMMAND MODE
2. INSERT MODE
3. SAVE & QUIT MODE

**COMMAND MODE:** This is the default mode in VIM editor, In this mode we can copy, delete, paste, undo, redo the changes. This mode is used to perform actions only

NOTE: If you want to perform any key, we should be in command mode only.

* 1. gg : used to go to the top of the ﬁle (1st line)
  2. G : used to go to the last of the ﬁle
  3. M : used to go the middle of the screen
  4. 7gg : used to go to 7th line of the ﬁle
  5. :21 : used to go to 21st line of the ﬁle
  6. :set number : used to set numbers to the ﬁle
  7. yy : used to copy the line
  8. 3yy : used to copy 3 lines
  9. p : used to paste the copied content
  10. 3p : used to print 3 times
  11. dd : used to delete a line
  12. 3dd : used to delete 3 lines
  13. u : used for undo
  14. ctrl + r : used to redo the data
  15. /word : used to search for a word
  16. ?word : used to search got a word
  17. :%s/oldword/newword : used to replace ﬁrst occurance of a ﬁle
  18. :%s/oldword/newword/g : used to replace all occurances of a ﬁle

**INSERT MODE:** It is used to insert the data in a ﬁle. i : used to go to insert mode from command mode

ecs : used to go to command mode from insert mode A : used to go to end of the line

I : used to fo to starting of the line

O : used to create a new line (above cursor)

8O : used to create a new 8 lines (above cursor)  
o : used to create a new line (below cursor)

8o : used to create a new 8 lines (below cursor)

**SAVE & QUIT MODE:** It is used to save the data and quit from vim editor

:w : data will gets saved

:q : quit from vim editor

:wq : save & quit from vim editor

:w! : save forcefully

:q! : quit forcefully

:wq! : save & quit forcefully

vim -o ﬁle1 ﬁle2 : used to read the 2 ﬁles one by one vim -O ﬁle1 ﬁle2 : used to read 2 ﬁles side by side

ANALYSIS THE FILE:

# -rw-r--r-- 1 root root 2782 Oct 12 02:24 aws

**TYPE OF THE FILE:**

reglar ﬁles : -

directory ﬁles: d character ﬁles : c blocked ﬁles : b

# PERMISSIONS OF A FILE :

rw-r--r--

READ : r > 4

WRITE : w > 2

EXECUTE : x > 1

NOTHING > 0

USER PERMISSIONS : rw- = 6 r = 4, w=2, -=0

4+2+0=6

GROUP PERMISSIONS : r = 4

r=4, -=0, -=0

4+0+0=4

OTHERS PERMISSIONS : r = 4

r=4, -=0, -=0

4+0+0=4

EX: rwx r-x --x rwx = 4+2+1 = 7

r-x = 4+0+1 = 5

--x = 0+0+1 = 1

751

EX: rw- -w- --x 621

# ACL (Access Control List) :

FILE : 1

FOLDER : 2

# OWNERS OF THE FILES (root root):

root : user root : group

# NO OF CHARACTERS IN A FILE:

2782

# RECENT TIME STAMP OF A FILE: (Oct 12 02:24)

**FILENAME : (aws)**

**TASK-1:**

JUST ASSUME THAT I HAVE FOLDER1, INSIDE FOLDER1 I HAVE FOLDER2, IN FOLDER2 THERE ARE SOME FILES (5 FILES), NOW I WANT TO COPY THE FILES FROM FOLDER2 TO FOLDER1