

# LINUX CLASS 3

`ll` : used to see the list of files in order (A-Z)

`ll -t` : used to see the list of the files based on modification/creation time

`ll -r` : used to see the files in reverse order (Z to A)

`ll -a` : used to see all files including hidden

## CAT COMMAND:

`cat` command is used to read the data from a file, it is also used to append the data in a file

`cat filename`: used to read the data from a file

`cat>filename` : used to overwrite the data

`cat>>filename`: used to append the data

**NOTE:** `Cat` command is used to append the data, but here the problem is, it is not possible to modify the data. To avoid this issue we can use editor in linux.

There are 2 types of editors in linux

1. Vim editor
2. Nano editor

VIM EDITOR: It is used to edit the files in linux machines, It has 3 modes

1. Command mode
2. Insert mode
3. Save & quit mode

To open any file in vim editor : `vim filename` (or) `vi filename`

1. **COMMAND MODE:** this is the default mode in vim editor, It is used to perform some actions like used to copy the data, delete the data and we can make undo and redo the changes as well.

**gg** : used to go to 1st line of the file

**G** : used to go to last line of the file

**M** : used to go to middle of the file

**4gg** : used to go to 4th line of the file

**17gg** : used to go to 17th line of the file

**:23** : used to go to 23rd line of the file

**:set number** : used to set numbers of the file

**yy** : used to copy the line

**4yy** : used to copy 4 lines from our cursor

**p** : paste the copied content

**10p** : paste the copied content 10 times

**dd** : used to delete the line

**5dd** : used to delete 5 lines from the cursor

**u** : used to undo the changes

**crtl + r** : used to redo the changes.

**/word** : used to search for a word in a file

**?word** : used to search for a word in a file

**:%s/old/new/** : used to replace

2. **INSERT MODE:** This mode is used to insert the data or make any modifications in a file.

To go to insert mode : **i**

To go back to command mode : **esc**

To go to the ending of the line : **A**

To go to starting of this line : **I**

To create a new line above the cursor : **O**

To create a new line below the cursor : **o**

### **DIFFERENCE B/W COMMAND MODE KEYS & INSERT MODE.**

If we perform command mode keys we will be in command mode only

If we perform insert mode keys we will go to insert mode.

3. SAVE & QUIT MODE: This is used to save the data and quit from vim editor

To save the data - **:w**

To quit from vim editor - **:q**

To quit forcefully - **:q!**

To save & quit at a time - **:wq**

To save & quit forcefully at a time - **:wq!**