LINUX - CLASS - 04

EDITORS IN LINUX MACHINE: In linux we have 2 types of Editors

1. VIM Editor or VI editor
2. NANO Editor

VIM EDITOR: This editor is used to modify the files in linux, we have 3 types of modes in VIM editor.

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

1. **COMMAND MODE:** This is the default mode in VIM editor, By using this command mode we can perform some actions like copy the data, print the data, undo, redo, delete the data etc… We can perform these actions by using some keys

gg : used to go the top of the file (first line)

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

3gg : used to go to 3rd line of a file

(or)

:3 : used to go to the 3rd line of a file

:set number : used to set numbers to a file

:set nonumber : used to remove the numbers in vim editor

yy : used to copy the line

3yy : used to copy 3 lines

p : used to print the copied content

5p : used to print 5 times

u : used to undo

ctrl + R : redo the changes

dd : used to delete a line

5dd : used to delete 5 lines

/word : finds a word in a file

?word : finds the word in a file

2 INSERT MODE : This mode is used to insert the data or make some modifications in our file

NOTE: keys will not work in insert mode, if want to perform keys you should be in command mode

i : used to go to insert mode from command mode

esc : used to go to command mode from insert mode

A : end of the line

I : used to go to the starting of the line

O : it will creates a new line (up)

o : creates new line (down)

3 SAVE & QUIT MODE: This mode is used to save the changes in a file and quit from vim editor

:w : save the data

:q : quit from vim editor

:wq : save & quit at a time

:q! : forcefully quit from vim editor

:w! : forcefully save the changes

:wq! : forcefully save & quit

-rw-r--r-- 1 root root 853 May 23 15:44 aws

TYPE OF THE FILE

regular file : - (hyphen)

directory file : d

character file : c

blocked file : b

PERMISSIONS OF A FILE:

r : read : 4

w : write : 2

x : execute : 1

hyphen (-) : nothing : 0

rw- : user permissions : 4+2+0 = 6

r-- : group permissions : 4+0+0 = 4

r-- : others permissions : 4+0+0 = 4

644

rwx : 4+2+1 = 7

-w- : 0+2+0 = 2

--x : 0+0+1 = 1

ACL (Access Control List) :

file : 1

folder : 2

OWNERS OF THE FILE :

root : user

root : group

DATA IN CHARACTERS : (853)

No of characters in a file

FILE CREATION DETAILS:

Time, and date

FILE NAME

aws