LINUX CLASS-5

USER COMMANDS:

TO SEE THE LIST OF USERS : cat /etc/passwd (or) getent passwd

TO CREATE A USER : useradd username (or) adduser username

WHEN EVER WE CREATE A USER IT WILL CREATE LIKE THIS

NOTE: Whenever we create a user, automatically one group will gets created.

   Whenever we delete a user, automatically one group will gets deleted.

   Whenever we create a user, automatically one folder will gets created in home directory

   Whenever we delete a user, then the path will not gets deleted

sagar:x:1001:1001::/home/sagar:/bin/bash

sagar : username

x : It stores the users password

1001 : UID (User ID)

1001 : GID (Group)

/home/sagar : users home directory

/bin/bash: shell path

TO DELETE A USER : userdel username

TO DELETE A USER ALONG WITH PATH : userdel -r username

TO SET A PASSWORD TO USER : passwd username

TO SEE USER DETAILS : chage -l username

TO LOGIN TO USER : su - username

TO LOGOUT FROM USER : exit

GROUP COMMANDS:

TO SEE THE LIST OF GROUPS: cat /etc/group (or) getent group

TO CREATE A GROUP : groupadd groupname

TO DELETE A GROUP : groupdel groupname

TO ADD A USER TO A GROUP: usermod -a -G groupname username

TO REMOVE A USER FROM A GROUP : gpasswd -d username groupname

TO SEE A USER IS ADDED TO GROUP OR NOT : id username

TO ADD A USER TO MULTIPLE GROUPS AT THE SAME TIME : usermod -a -G group1,group2,group3 username

PERMISSIONS OF A FILE:

USER : rw- ---------> 4 + 2 + 0 = 6

GROUP : r-- -------> 4 + 0 + 0 = 4

OTHERS : r-- ------> 4 + 0 + 0 = 4

r = READ = 4

w = WRITE = 2

x = execute = 1

- = nothing = 0

user : rwx = 4+2+1 = 7

group : --x = 0+0+1 = 1

others : r-x = 4+0+1 = 5

HOW TO CHANGE PERMISSIONS OF A FILE:

TO CHANGE PERMISSIONS OF A FILE : chmod 777 filename

TO CHANGE PERMISSIONS OF A MULTIPLE FILES : chmod 777 file1 file2 file3

TO CHANGE PERMISSIONS OF ALL FILES : chmod 777 *

TO CHANGE PERMISSIONS OF A FOLDER : chmod 777 foldername

TO CHANGE PERMISSIONS OF A FOLDER ALONG WITH FILES INSIDE THE FOLDER : chmod 777 foldername -R

TO CHANGE PERMISSIONS OF A FILES WHICH ARE PRESENT INSIDE A FOLDER: chmod 777 foldername/*

HOW TO CHANGE OWNERS OF A FILE:

TO CHANGE OWNERS OF A FILE : chown user:groupname filename

TO CHANGE OWNERS OF A MULTIPLE FILES : chown user:groupname file1 file2 file3

TO CHANGE OWNERS OF ALL FILES : chown user:groupname *

TO CHANGE OWNERS OF A FOLDER : chown user:groupname foldername

TO CHANGE OWNERS OF A FOLDER ALONG WITH FILES INSIDE THE FOLDER : chown user:groupname foldername -R

TO CHANGE OWNERS OF A FILES WHICH ARE PRESENT INSIDE A FOLDER: chown user:groupname foldername/*