

NETWORKING & SYSTEM ADMINISTRATION LAB

Name: Silvia thomas

Roll No: 38

Batch: B

Date: 25/04/2022

Experiment No.: 7

Aim

Familiarization of the linux commands.

Procedure

1. sudo useradd

This command is used to add a user.

Syntax :- \$ sudo useradd username

Output :-

```
mca@S38:~$ sudo useradd silvia  
[sudo] password for mca:
```

2. passwd

This command is used to create password for the user.

Syntax :- \$ sudo passwd username

Output :-

```
mca@S38:~$ sudo passwd silvia  
Enter new UNIX password:  
Retype new UNIX password:  
passwd: password updated successfully
```

3.groupadd

This command is used to create new group.

Syntax :- \$ sudo groupadd -g id groupname

Output :-

```
mca@S38:~$ sudo groupadd -g 2000 regularmca
```

4.usermod

This command is used to add users to the group.

Syntax :- \$ sudo usermod -G groupname username

Output :-

```
mca@S38:~$ sudo usermod -G regularmca silvia
```

5. id username

This command which shows the particular belongs to which group.

Syntax :- \$ id username

Output:-

```
mca@S38:~$ id silvia
uid=1004(silvia) gid=1005(silvia) groups=1005(silvia),2000(regularmca)
```

6. compgen

This command is used to view all groups.

Syntax :- \$ compgen -g

 \$ compgen -g groupname

Output:-

```
mca@S38:~$ compgen -g
root
daemon
bin
sys
adm
tty
disk
lp
mail
news
uucp
man
proxy
kmem
dialout
```

Syntax :- \$ compgen -g groupname

7. userdel,groupdel

This command is used to delete a user and group

Syntax :- \$ sudo userdel groupname
 \$ sudo groupdel groupname

Output:-

```
mca@S38:~$ sudo userdel silvia
mca@S38:~$ sudo groupdel regularmca
```

9. chmod

This command is used to change directory permission of files (read,write,execute).

Syntax :- \$ chmod +rwx filename

 \$ chmod -wx filename

 \$ chmod -rwx filename

Output:-

```
mca@S38:~$ chmod +rwx file.txt
mca@S38:~$ chmod -wx file.txt
mca@S38:~$ cat >> file.txt
bash: file.txt: Permission denied
```

9. chown, ls -l

This command is used to give ownership to user and ls -l command is used to show the ownership details.

Syntax :- \$ sudo chown username filename

 \$ ls -l filename

Output:-

```
mca@S38:~$ sudo chown silvia file.txt
[sudo] password for mca:
chown: invalid user: 'silvia'
mca@S38:~$ sudo useradd silvia
mca@S38:~$ sudo chown silvia file.txt
mca@S38:~$ ls -l file.txt
-r--r--r-- 1 silvia mca 18 Apr 25 14:58 file.txt
mca@S38:~$
```