NETWORKING & SYSTEM ADMINISTRATION LAB

Name: Rovy M Varghese

Roll No:31

Batch: RMCA(B)

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Experiment No: 8

Aim

Familiarization of basic linux commands

Procedure:

1)sudo useradd

useradd is a command in Linux that is used to add user accounts to your system.

```
rovy@rovy-VirtualBox:~$ sudo useradd rovy1
```

2)sudopasswd

passwd command in Linux is used to change the user account passwords.

```
rovy@rovy-VirtualBox:~$ sudo passwd rovy1
New password:
Retype new password:
passwd: password updated successfully
```

3)sudo groupadd

Groups in Linux refer to the user groups.**groupadd** command is used to create a new user group.

```
rovy@rovy-VirtualBox:~$ sudo groupadd -g 10000 rovy2
```

4)sudo usermode

Sudo means: Run this command as root. This is required for usermod since usually only root can modify which groups a user belongs to

Usermod is a command that modifies the system configuration for a specific user

```
rovy@rovy-VirtualBox:~$ sudo usermod -G rovy2 rovy1
rovy@rovy-VirtualBox:~$ id rovy1
uid=1001(rovy1) gid=1001(rovy1) groups=1001(rovy1),10000(rovy2)
```

5)compgen –g

compgen is a bash built-in command which is used to list all the commands that could be executed in the Linux system

```
rovy@rovy-VirtualBox:~$ compgen -g
root
daemon
bin
sys
adm
tty
disk
lp
mail
news
uucp
man
proxy
kmem
dialout
fax
voice
cdrom
floppy
tape
sudo
audio
dip
www-data
backup
operator
```

6)sudo usermod

-G : To add a supplementary groups.

```
rovy@rovy-VirtualBox:~$ sudo usermod -G athul rovy1
```

7)sudo userdel

The userdel command removes the user account identified by the login parameter.

```
rovy@rovy-VirtualBox:~$ sudo userdel rovy2
userdel: user 'rovy2' does not exist
rovy@rovy-VirtualBox:~$ compgen -g rovy1
rovy1
```

8)chmod

the chmod command sets the permissions of files or directories.

```
rovy@rovy-VirtualBox:~$ ls
b.txt      Documents  Music      Public  Templates
Desktop    Downloads  Pictures   rovy    Videos
rovy@rovy-VirtualBox:~$ chmod +rwx b.txt
rovy@rovy-VirtualBox:~$ chmod -wx b.txt
rovy@rovy-VirtualBox:~$ cat >>b.txt
bash: b.txt: Permission denied
rovy@rovy-VirtualBox:~$ chmod -rwx b.txt
rovy@rovy-VirtualBox:~$ cat b.txt
cat: b.txt: Permission denied
```

9)sudo chown

chown command is used to change the file Owner or group.

```
rovy@rovy-VirtualBox:~$ sudo useradd athul
rovy@rovy-VirtualBox:~$ sudo chown athul b.txt
```