

NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 7

Aim

Familiarization of Linux Commands.

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Batch:S2 RMCA

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Procedure and Output Screenshot

1)sudo useradd

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

```
mca@U43:~$ sudo useradd sruthy
[sudo] password for mca:
```

2)sudopasswd

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

```
mca@U43:~$ sudo passwd sruthy
Enter new UNIX password:
Retype new UNIX 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.

```
mca@U43:~$ sudo groupadd -g 13290regmca
groupadd: invalid group ID '13290regmca'
mca@U43:~$ sudo groupadd -g 13290
Usage: groupadd [options] GROUP
```

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

```
mca@U43:~$ sudo usermod -G regmca sruthy
mca@U43:~$ sudo usermod -G regmca sruthy
mca@U43:~$ sudo usermod -G regmca sruthy
mca@U43:~$ id sruthy
uid=1005(sruthy) gid=1006(sruthy) groups=1006(sruthy),13290(regmca)
```

5)compugen -g

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

```
mca@U43:~$ sudo groupadd -g 13291 s2
mca@U43:~$ sudo groupadd -g 13221 s3
mca@U43:~$ compugen -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
list
irc
src
gnats
shadow
utmp
video
sasl
plugdev
```

6)sudo usermod

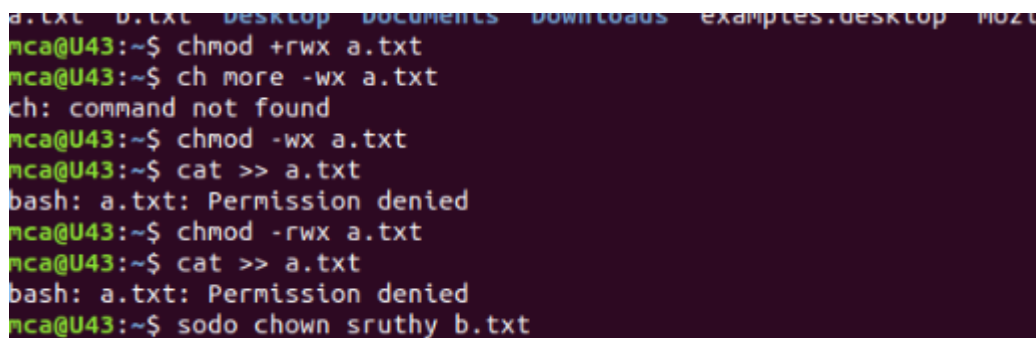
-G = To add a supplementary groups.

7)sudo userdel

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

8)chmod

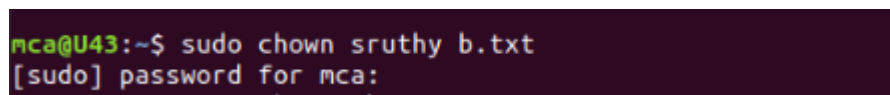
the chmod command sets the permissions of files or directories.



```
a.txt b.txt Desktop Documents Downloads examples.desktop Mozilla
mca@U43:~$ chmod +rwx a.txt
mca@U43:~$ ch more -wx a.txt
ch: command not found
mca@U43:~$ chmod -wx a.txt
mca@U43:~$ cat >> a.txt
bash: a.txt: Permission denied
mca@U43:~$ chmod -rwx a.txt
mca@U43:~$ cat >> a.txt
bash: a.txt: Permission denied
mca@U43:~$ sudo chown sruthy b.txt
```

9)sudo chown

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



```
mca@U43:~$ sudo chown sruthy b.txt
[sudo] password for mca:
```

