

**NETWORKING & SYSTEM ADMINISTRATION LAB****Experiment No.: 3****Aim**

Familiarization of the linux commands.

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**Roll No:** 47

**Batch:** B

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**Procedure****59. sudo useradd**

This command is used to perform admin privileges.

Syntax :- \$ sudo useradd <username>

Output :-

```
mca@S47: ~  
File Edit View Search Terminal Help  
mca@S47:~$ sudo useradd upas  
[sudo] password for mca:  
mca@S47:~$ sudo useradd upas  
useradd: user 'upas' already exists
```

**60. sudo passwd**

This command is used to provide password to the user.

Syntax :- \$ sudo passwd <username>

Output :-

```
mca@S47:~$ passwd upas  
passwd: You may not view or modify password information for upas.  
mca@S47:~$ sudo passwd upas  
Enter new UNIX password:  
Retype new UNIX password:  
passwd: password updated successfully
```

**61. sudo groupadd -g**

This command is used to create a group.

Syntax :- `$ sudo groupadd -g <id> <groupname>`

Output :-

```
mca@S47:~$ sudo groupadd -g 47 MCA-B
mca@S47:~$ sudo groupadd -g 47 MCA-B
```

## 62. sudo usermod -G

This command is used to add user to a particular group.

Syntax :- `$ sudo usermod -G <groupname> <username>`

Output :-

```
mca@S47:~$ sudo usermode -G MCA-B upas
sudo: usermode: command not found
mca@S47:~$ sudo usermod -G MCA-B upas
```

## 63. id

This command is used to display to which group the specified user exist.

Syntax :- `$ id <username>`

Output:-

```
mca@S47:~$ id upas
uid=1004(upas) gid=1005(upas) groups=1005(upas),47(MCA-B)
mca@S47:~$
```

## 64. compgen -g

This command is used to display all the groups that has been created.

Syntax :- `$ compgen -g`

Output :-

```
systemd-network
systemd-resolve
input
crontab
syslog
messagebus
netdev
mlocate
ssl-cert
uidd
avahi-autoipd
bluetooth
rtkit
ssh
lpadmin
whoopsie
scanner
saned
pulse
pulse-access
avahi
colord
geoclue
gdm
mca
smbashare
mysql
student
android
mongodb
exam
upas
MCA-B
MCA-A
MCA-C
```

## 65. sudo userdel

This command is used to delete a particular user.

Syntax :-     \$ sudo userdel <username>

Output :-

```
mca@s47:~$ sudo userdel upas
```

## 66. sudo groupdel

This command is used to delete a particular group.

Syntax :-     \$ sudo groupdel <groupname>

Output :-

```
mca@S47:~$ sudo groupdel MCA-C
```

### 67. compgen -g <groupname>

This command is used to display all the related groups with the name provided.

Syntax :- \$ compgen -g <groupname>

Output :-

```
mca@S47:~$ compgen -g MCA-B  
MCA-B
```

### 68. chmod +rwx

This command is used to allow the specified file to modify.

Syntax :- \$ chmod +rwx <filename>

Output :-

```
mca@S47:~$ chmod +rwx a4.txt
```

### 69. chmod -rwx

This command is used to deny the modification of the specified file.

Syntax :- \$ chmod -rwx <filename>

Output :-

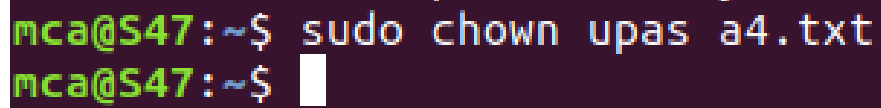
```
mca@S47:~$ chmod -rwx a4.txt  
mca@S47:~$ cat >>a4.txt  
bash: a4.txt: Permission denied  
mca@S47:~$
```

### 70. sudo chown

This command is used to change the owner of a file.

Syntax :- `$ sudo chown <username> <filename>`

Output :-

A terminal window with a dark purple background. The prompt 'mca@S47:~\$' is shown in green. The command 'sudo chown upas a4.txt' is entered in white. The prompt 'mca@S47:~\$' is shown again in green, followed by a white cursor block.

```
mca@S47:~$ sudo chown upas a4.txt
mca@S47:~$
```