

NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 3

Aim

Familiarization of the linux commands.

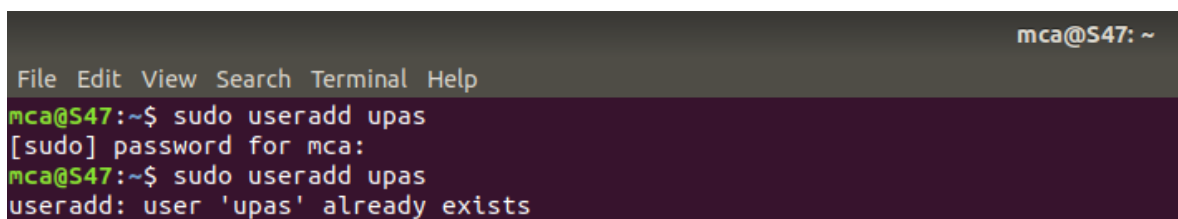
Procedure

59. sudo useradd

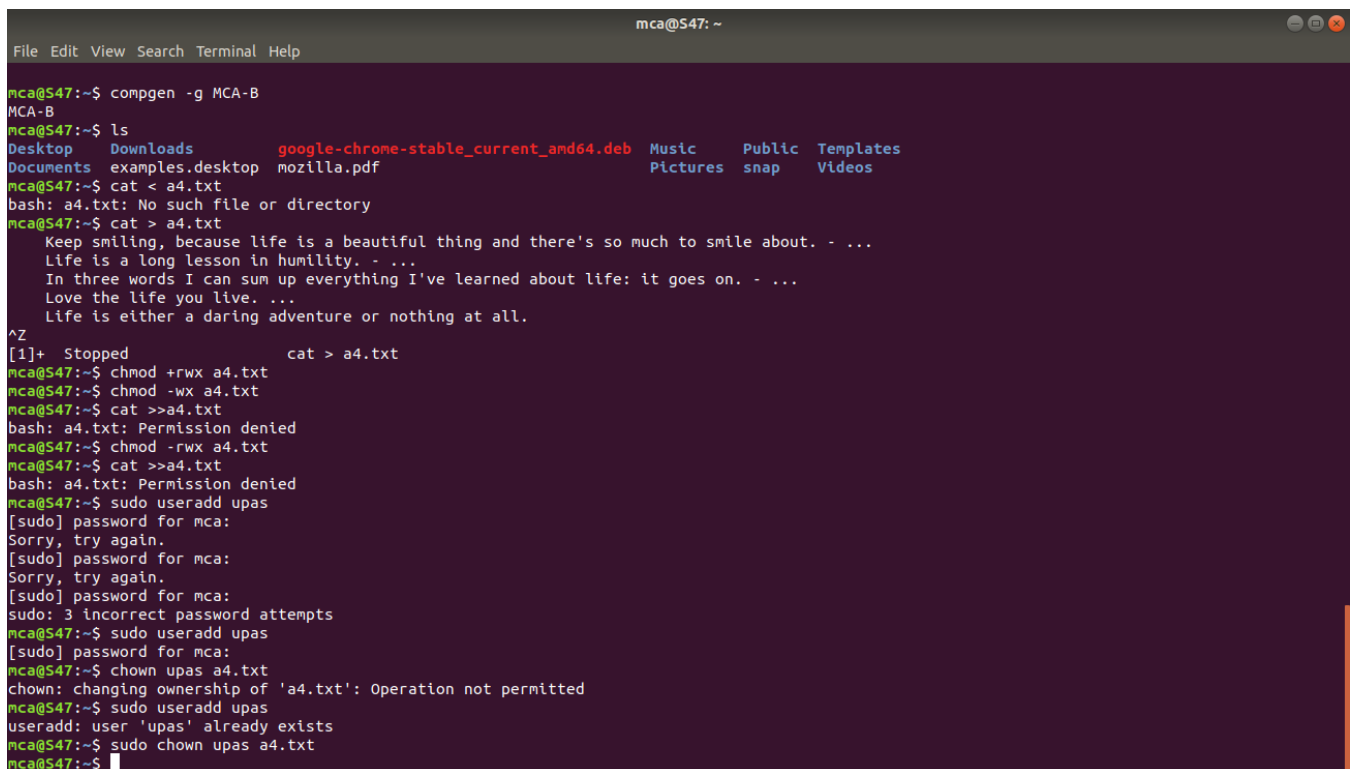
This command is used to perform admin privileges.

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
```



```
mca@S47: ~  
File Edit View Search Terminal Help  
mca@S47:~$ compgen -g MCA-B  
MCA-B  
mca@S47:~$ ls  
Desktop Downloads google-chrome-stable_current_amd64.deb Music Public Templates  
Documents examples.desktop mozilla.pdf Pictures snap Videos  
mca@S47:~$ cat < a4.txt  
bash: a4.txt: No such file or directory  
mca@S47:~$ cat > a4.txt  
Keep smiling, because life is a beautiful thing and there's so much to smile about. - ...  
Life is a long lesson in humility. - ...  
In three words I can sum up everything I've learned about life: it goes on. - ...  
Love the life you live. ...  
Life is either a daring adventure or nothing at all.  
^Z  
[1]+ Stopped cat > a4.txt  
mca@S47:~$ chmod +rwx a4.txt  
mca@S47:~$ chmod -wx a4.txt  
mca@S47:~$ cat >>a4.txt  
bash: a4.txt: Permission denied  
mca@S47:~$ chmod -rwx a4.txt  
mca@S47:~$ cat >>a4.txt  
bash: a4.txt: Permission denied  
mca@S47:~$ sudo useradd upas  
[sudo] password for mca:  
Sorry, try again.  
[sudo] password for mca:  
Sorry, try again.  
[sudo] password for mca:  
sudo: 3 incorrect password attempts  
mca@S47:~$ sudo useradd upas  
[sudo] password for mca:  
mca@S47:~$ chown upas a4.txt  
chown: changing ownership of 'a4.txt': Operation not permitted  
mca@S47:~$ sudo useradd upas  
useradd: user 'upas' already exists  
mca@S47:~$ sudo chown upas a4.txt  
mca@S47:~$
```

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 :-

```
password password updated successfully
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
smbshare
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 :-

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