NETWORKING & SYSTEM ADMINISTRATION LAB

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Roll No: 46
Batch: B
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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@S46:~$ sudo useradd swetha
[sudo] password for mca:
```

60. sudo passwd

This command is used to provide password to the user.

Syntax :- $ sudo passwd <username>

Output :-


```
mca@S46:~$ sudo passwd swetha
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@S46:~$ sudo groupadd -g 2023 Andromeda
```

62. sudo usermod -G

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

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

Output :-

```
mca@S46:~$ sudo usermod -G Andromeda swetha
```

63. id

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

Syntax :- $ id <username>

Output:-

```
mca@S46:~$ id swetha
uid=1005(swetha) gid=1006(swetha) groups=1006(swetha),2023(Andromeda)
```

64. compgen -g

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

Syntax :- $ compgen -g

Output :-

```
mca@S46:~$ compgen -g
root
daemon
bin
sys
adm
student
hadoop
exam
swetha
Andromeda
Milkyway
Butterfly
Comet
```

65. sudo userdel

This command is used to delete a particular user.

Syntax :- $ sudo userdel <username>

Output :-

```
mca@S46:~$ sudo userdel swetha
```

66. sudo groupdel

This command is used to delete a particular group.

Syntax :- $ sudo groupdel <groupname>

Output :-

```
mca@S46:~$ sudo groupdel Comet
```

67. compgen -g <groupname>

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

Syntax :- $ compgen -g <groupname>

Output :-

```
mca@S46:~$ compgen -g Andromeda
Andromeda
```

68. chmod +rwx

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

Syntax :- $ chmod +rwx <filename>

Output :-

```
mca@S46:~$ cat > w.txt
Hello, Welcome to my world.
^Z
[3]+  Stopped                 cat > w.txt
mca@S46:~$ chmod +rwx w.txt
mca@S46:~$ cat >> w.txt
I am modifying it.
^Z
[4]+  Stopped                 cat >> w.txt
```

69. chmod -rwx

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

Syntax :- $ chmod -rwx <filename>

Output :-

```
mca@S46:~$ chmod -wx w.txt
mca@S46:~$ cat >> w.txt
bash: w.txt: Permission denied
mca@S46:~$ chmod -rwx w.txt
mca@S46:~$ cat w.txt
cat: w.txt: Permission denied
```

70. sudo chown

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

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

Output :-

```
mca@S46:~$ sudo chown swetha s.txt
```