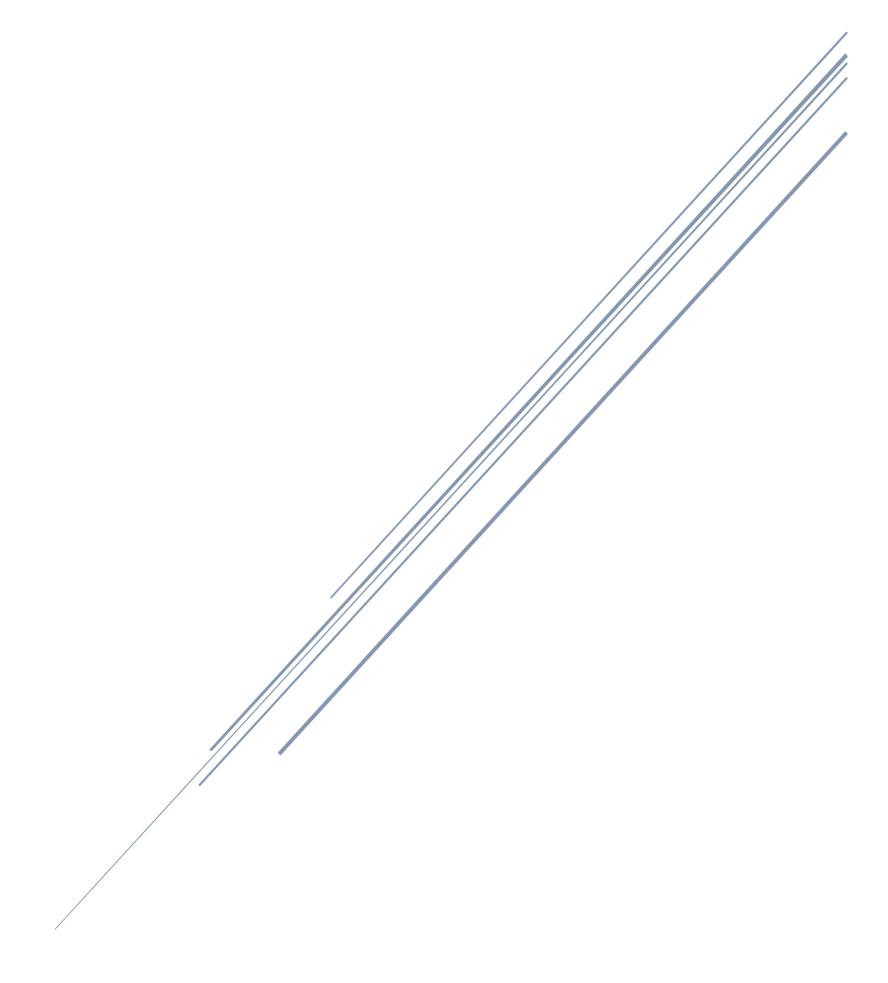
## **ASSIGNMENT 5: LAB EXCERCISES**

20MCA136 - Networking & System Administration Lab



## Managing Files, Creating Users and Groups Using Command-line tools

- 1. a. Create six files with name of the form songX.mp3
- b. Create six files with name of the form snapX.mp3
- c. Create six files with name of the form filmX.mp3 (In each set, replace X with the numbers 1 through 6)

```
Let cd /

[mod bolts]-[/]

[mod bolts]-[
```

2.From your home directory, move the song files into your music subdirectory, the snapshot files into your pictures subdirectory, and the movie files into videos subdirectory.

3. In your home directory, create three subdirectories for organizing your files. Call these directories friends, family, and work. Create all three with one command

```
(root kali)-[~/Pictures]

(root kali)-[/]

(root kali)-[/home]

(root kali)-[/home]
```

4. Copy song files to the friends folder and snap files to family folder

5. Attempt to delete both family and friends projects with a single rmdir command.

```
rmot © kali)-[/home]

rmdir friends family

(root © kali)-[/home]

ls

allfiles.txt kali song1.mp3 work

(root © kali)-[/home]
```

6.Use another command that will succeed in deleting both the family and friends folder.

```
root the kali)-[/home]

# rm -r friends family

(root the kali)-[/home]

# ls

kali song1.mp3 work

(root the kali)-[/home]

# I
```

7. Redirect a long listing of all home directory files, including hidden, into a file named allfiles.txt. Confirm that the file contains the listing.

```
(root@ kali)-[/home]

# ls -a > allfiles.txt

(root@ kali)-[/home]

# ls

allfiles.txt family friends kali song1.mp3 work

(root@ kali)-[/home]
```

8. In the command window, display today's date with day of the week, month, date and year

```
root kali)-[/home]

# date
Tue 17 Aug 2021 07:27:57 AM EDT

root kali)-[/home]
```

9. Add the user Juliet

10. Confirm that Juliet has been added by examining the /etc/passwd file

11. Use the passwd command to initialize Juliet's password

12. Create a supplementary group called Shakespeare with a group id of 30000

13. Create a supplementary group called artists.

```
__(root ⊕ kali)-[~]
# groupadd artists
```

14. Confirm that Shakespeare and artists have been added by examining the /etc/group file.

```
kali-trusted:x:122:
postgres:x:123:
i2c:x:124:
avahi:x:125:
stunnel4:x:126:
Debian-snmp:x:127:
sslh:x:128:
nm-openvpn:x:129:
nm-openconnect:x:130:
pulse:x:131:
pulse-access:x:132:
scanner:x:133:saned,kali
saned:x:134:
sambashare:x:135:
inetsim:x:136:
colord:x:137:
geoclue:x:138:
lightdm:x:139:
kpadmins:x:140:
kali:x:1000:
vboxsf:x:141:
kaboxer:x:142:kali,root
systemd-coredump:x:999:
nibin:x:1001:
test_user:x:1002:
groupname:x:1003:
usrgrp:x:1004:
Juliet:x:1005:
Shakespheare:x:30000:
artists:x:30001: (END)
```

15. Add the Juliet user to the Shakespeare group as a supplementary group.

16. Confirm that Juliet has been added using the id command.

17. Add Romeo and Hamlet to the Shakespeare group.

```
root  kali)-[~]

# useradd Romeo

(root kali)-[~]

# useradd hamlet

(root kali)-[~]

# usermod -G Shakespheare Romeo

(root kali)-[~]

# usermod -G Shakespheare Hamlet

usermod: user 'Hamlet' does not exist

(root kali)-[~]

# usermod -G Shakespheare hamlet

(root kali)-[~]

# usermod -G Shakespheare hamlet
```

18. Add Reba, Dolly and Elvis to the artists group

```
(root@ kali)-[~]
# useradd Reba

(root@ kali)-[~]
# useradd Dolly

(root@ kali)-[~]
# usermod -G artists Reba

(root@ kali)-[~]
# usermod -G artists Dolly

(root@ kali)-[~]
# usermod -G artists Elvis
(root@ kali)-[~]
# usermod -G artists Elvis

(root@ kali)-[~]
# usermod -G artists Elvis
```

19. Verify the supplemental group memberships by examining the /etc/group file

```
| usrgrp:x:1004:
| Juliet:x:1005:
| Shakespheare:x:30000: Juliet, Romeo, hamlet |
| artists:x:30001: Reba, Dolly, Elvis |
| Romeo:x:30002: |
| hamlet:x:30003: |
| Reba:x:1006: |
| Dolly:x:1007: |
| Elvis:x:1008: |
| (END) |
```

20. Attempt to remove user Dolly.

```
root © kali)-[~]
# userdel Dolly

-(root © kali)-[~]
# less /etc/group

zsh: suspended less /etc/group

-(root © kali)-[~]
```

```
usrgrp:x:1004:
Juliet:x:1005:
Shakespheare:x:30000:Juliet,Romeo,hamlet
artists:x:30001:Reba,Elvis
Romeo:x:30002:
hamlet:x:30003:
Reba:x:1006:
Elvis:x:1008:
```