

CYSE 270: Linux System for Cybersecurity  
Assignment: Lab 4 – User and Group Accounts

Matthew Fox

Task A

1. 

```
(matthew-f@kali)-[~]
└─$ grep matthew-f /etc/passwd
matthew-f:x:1000:1001:Matthew C Fox,,,:/home/matthew-f:/usr/bin/zsh
```

2. 

```
(matthew-f@kali)-[~]
└─$ sudo grep matthew-f /etc/shadow
[sudo] password for matthew-f:
matthew-f:$y$j9T$kgfLD7igl3/m4mMJcgDVp1$pJTd0hvDLQU/JcRviSJ2TnA8BX3WPX5UzmcVI40vIq0:20327:0:99999:7:::
```

3, 4. 

```
(matthew-f@kali)-[~]
└─$ sudo useradd mfox014 -d /home/mfox014

(matthew-f@kali)-[~]
└─$ sudo passwd mfox014
New password:
Retype new password:
passwd: password updated successfully
```

5. 

```
(matthew-f@kali)-[~]
└─$ sudo usermod -s /bin/bash mfox014

(matthew-f@kali)-[~]
└─$ grep mfox014 /etc/passwd
mfox014:x:1007:1010::/home/mfox014:/bin/bash
```

6. 

```
(matthew-f@kali)-[~]
└─$ sudo grep mfox014 /etc/shadow
mfox014:$y$j9T$/SDk4ILNhfQQztG2fLBDw.$FLeSBeYngBm8/ZPHY7.YSfnqHoiitHs/VKa0S2q7fj/:20355:0:99999:7:::
```

7.

```
(matthew-f@kali)-[~]
└─$ sudo usermod -aG sudo mfox014
```

8.

```
(matthew-f@kali)-[~]
└─$ su - mfox014
Password:
su: warning: cannot change directory to /home/mfox014: No such file or directory
mfox014@kali:/home/matthew-f$
```

## Task B

1. Shell : bin

```
└─$ grep matthew-f /etc/passwd
matthew-f:x:1000:1001:Matthew C Fox,,,:/home/matthew-f:/usr/bin/zsh
```

2.

```
(matthew-f@kali)-[~]
└─$ id
uid=1000(matthew-f) gid=1001(designers) groups=1001(designers),4(adm),27(sudo),1002(testers)
```

3.

```
[sudo] password for matthew-f:
└─$ (root@kali)-[~/home/matthew-f]
└─# groups
root
```

```
(matthew-f@kali)-[~]
└─$ cat /etc/group
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:matthew-f
tty:x:5:
disk:x:6:
lp:x:7:
mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:
fax:x:21:
voice:x:22:
cdrom:x:24:
floppy:x:25:
tape:x:26:
sudo:x:27:matthew-f,bob,mfox014
audio:x:29:
dip:x:30:
www-data:x:33:
backup:x:34:
operator:x:37:
list:x:38:
irc:x:39:
src:x:40:
shadow:x:42:
utmp:x:43:
video:x:44:
sasl:x:45:
plugdev:x:46:
staff:x:50:
games:x:60:
users:x:100:
nogroup:x:65534:
systemd-journal:x:999:
systemd-network:x:998:
crontab:x:997:
input:x:996:
sgx:x:995:
```

4.

```
(matthew-f@kali)-[~]
└─$ sudo groupadd test -g 01282901
[sudo] password for matthew-f:
```

5.

```
(matthew-f@kali)-[~]
└─$ grep test /etc/group
testers:x:1002:matthew-f,bob
test:x:1282901:
```

6. (bottom one)

```
(matthew-f@kali)-[~]
└─$ sudo groupmod -n newtest test
```

7.

```
(matthew-f@kali)-[~]
└─$ sudo usermod -aG newtest mfox014
```

8.

```
(matthew-f@kali)-[~]
└─$ touch testfile
(matthew-f@kali)-[~]
└─$ sudo chgrp newtest testfile
```

9.

```
-rw-r--r-- 1 matthew-f newtest 0 Sep 24 14:57 testfile
```

10.

```
(matthew-f@kali)-[~]
└─$ sudo groupdel newtest
(matthew-f@kali)-[~]
└─$ ls -l testfile
-rw-r--r-- 1 matthew-f 1282901 0 Sep 24 14:57 testfile
```

11.

replaced the group

My UIN

```
(matthew-f@kali)-[~]
└─$ sudo userdel -r mfox014
userdel: mfox014 mail spool (/var/mail/mfox014) not found
userdel: mfox014 home directory (/home/mfox014) not found

(matthew-f@kali)-[~]
└─$ ls /home/
david matthew-f
```

12.