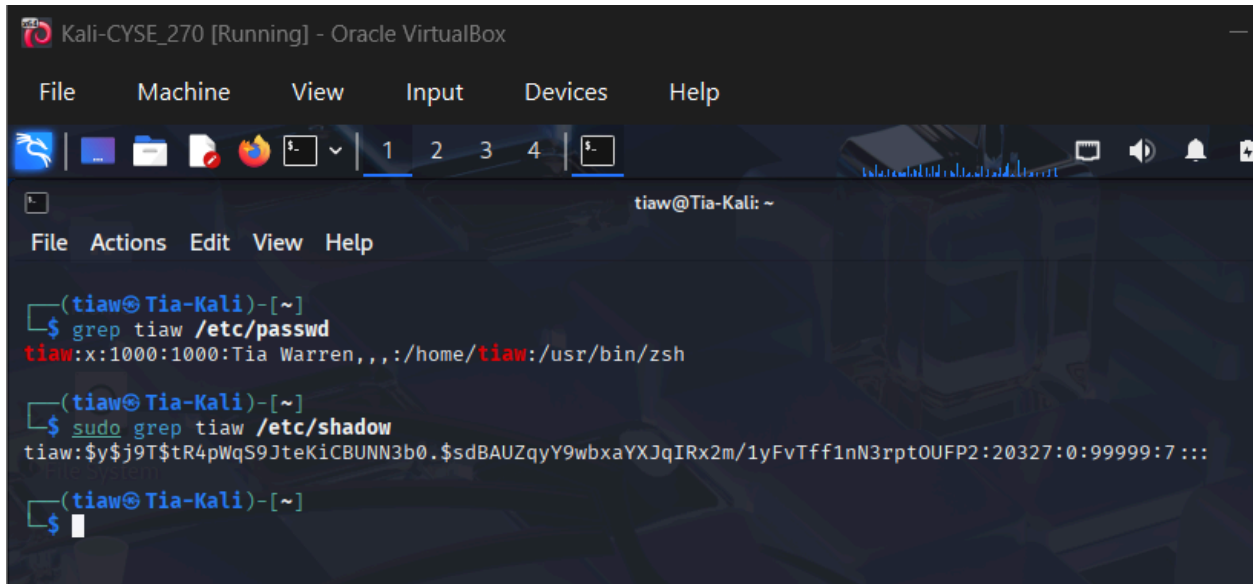


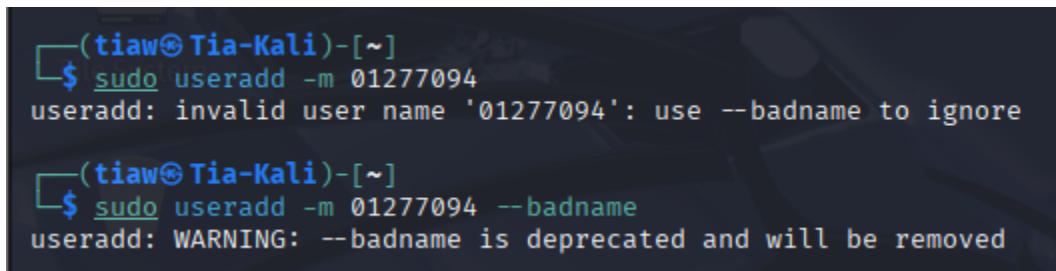
Part A

Step 1 & 2 (grep tiaw /etc/passwd; grep tiaw /etc/shadow):



```
Kali-CYSE_270 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
tiaw@Tia-Kali: ~
File Actions Edit View Help
(tiaw@Tia-Kali)-[~]
$ grep tiaw /etc/passwd
tiaw:x:1000:1000:Tia Warren,,,:/home/tiaw:/usr/bin/zsh
(tiaw@Tia-Kali)-[~]
$ sudo grep tiaw /etc/shadow
tiaw:$y$j9T$tR4pWqS9JteKiCBUNN3b0.$sdBAUZqyY9wbxaYXJqIRx2m/1yFvTff1nN3rptOUFFP2:20327:0:99999:7:::
(tiaw@Tia-Kali)-[~]
$
```

Step 3 & 4 (sudo useradd -m xxxx; sudo passwd xxxx) Note: is --badname required? I got an error on the first try:



```
(tiaw@Tia-Kali)-[~]
$ sudo useradd -m 01277094
useradd: invalid user name '01277094': use --badname to ignore
(tiaw@Tia-Kali)-[~]
$ sudo useradd -m 01277094 --badname
useradd: WARNING: --badname is deprecated and will be removed
```

```
(tiaw@Tia-Kali)-[~]
└─$ sudo passwd 01277094
[sudo] password for tiaw:
passwd: Provided user name is not a valid name

(tiaw@Tia-Kali)-[~]
└─$ sudo useradd -m ID_01277094

(tiaw@Tia-Kali)-[~]
└─$ sudo passwd ID_01277094
New password:
Retype new password:
passwd: password updated successfully

(tiaw@Tia-Kali)-[~]
└─$ █
```

Step 5 (sudo usermod -s /bin/bash xxxx; grep xxxx /etc/passwd):

```
(tiaw@Tia-Kali)-[~]
└─$ sudo usermod -s /bin/bash ID_01277094

(tiaw@Tia-Kali)-[~]
└─$ grep ID_01277094 /etc/passwd
ID_01277094:x:1002:1002::/home/ID_01277094:/bin/bash
```

Step 6 (sudo grep ID_01277094 /etc/shadow):

```
(tiaw@Tia-Kali)-[~]
└─$ sudo grep ID_01277094 /etc/shadow
[sudo] password for tiaw:
ID_01277094:$y$j9T$8gJ86umjKkzJsSY8wAhF70$Ux5y0bAQdaeY4.pFQkN39lKZnR6gXqt77DZZdTzcIE4:20353:0:99999:7:::

(tiaw@Tia-Kali)-[~]
└─$ █
```

Step 7 (sudo usermod -aG sudo ID_01277094):

```
Kali-CYSE_270 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
1 2 3 4
tiaw@Tia-Kali: ~
File Actions Edit View Help
(tiaw@Tia-Kali)-[~]
$ sudo usermod -aG sudo ID_01277094
(tiaw@Tia-Kali)-[~]
$ id ID_01277094
uid=1002(ID_01277094) gid=1002(ID_01277094) groups=1002(ID_01277094),27(sudo)
(tiaw@Tia-Kali)-[~]
$
```

Step 8(su ID_01277094):

```
(tiaw@Tia-Kali)-[~]
$ su -- ID_01277094
Password:
(ID_01277094@Tia-Kali)-[~/home/tiaw]
$
```

Part B

Step 1 (cd ~; echo \$SHELL):

```
(ID_01277094@Tia-Kali)-[~/home/tiaw]
$ cd ~
(ID_01277094@Tia-Kali)-[~]
$ echo $SHELL
/bin/bash
(ID_01277094@Tia-Kali)-[~]
$
```

Step 2 (id):

```
Kali-CYSE_270 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
ID_01277094@Tia-Kali: ~
File Actions Edit View Help
(ID_01277094@Tia-Kali)-[~]
$ id
uid=1002(ID_01277094) gid=1002(ID_01277094) groups=1002(ID_01277094),27(sudo)
(ID_01277094@Tia-Kali)-[~]
$
```

Step 3 (groups root):

```
(tiaw@Tia-Kali)-[~]
$ groups root
root : root
```

Step 4 (ls -l /etc/group), user owner is root, group is root:

```
(tiaw@Tia-Kali)-[~]
$ ll /etc/group
-rw-r--r-- 1 root root 1406 Sep 23 17:23 /etc/group
(tiaw@Tia-Kali)-[~]
$
```

Steps 5 & 6 (sudo groupadd -g XXXX test; grep test /etc/group):

```
(tiaw@Tia-Kali)-[~]
$ sudo groupadd -g 01277094 test
[sudo] password for tiaw:
(tiaw@Tia-Kali)-[~]
$ grep test /etc/group
test:x:1277094:
```

Step 7 (sudo groupmod test -n newtest):

```
(tiaw@Tia-Kali)-[~]
$ sudo groupmod test -n newtest
```

Step 8 & 9 (sudo usermod -aG newtest ID_01277094; touch test file; sudo chgrp newtest testfile):

```
(ID_01277094@Tia-Kali)-[~]
└─$ sudo usermod -aG newtest ID_01277094

(ID_01277094@Tia-Kali)-[~]
└─$ touch testfile

(ID_01277094@Tia-Kali)-[~]
└─$ sudo chgrp newtest testfile

(ID_01277094@Tia-Kali)-[~]
└─$ █
```

Step 10 (ll testfile):

```
(ID_01277094@Tia-Kali)-[~]
└─$ ll testfile
-rw-rw-r-- 1 ID_01277094 newtest 0 Sep 23 22:18 testfile
```

Step 11 (sudo groupdel newtest; ll testfile):

```
(ID_01277094@Tia-Kali)-[~]
└─$ sudo groupdel newtest

(ID_01277094@Tia-Kali)-[~]
└─$ ll testfile
-rw-rw-r-- 1 ID_01277094 1277094 0 Sep 23 22:18 testfile

(ID_01277094@Tia-Kali)-[~]
└─$ █
```

The “newtest” group no longer exists, so it doesn’t display the name, but still belongs to the GID associated with that group instead.

Step 12 (sudo userdel -r XXXX):

```
(tiaw@Tia-Kali)-[~]
└─$ sudo userdel -r ID_01277094
[sudo] password for tiaw:
userdel: ID_01277094 mail spool (/var/mail/ID_01277094) not found

(tiw@Tia-Kali)-[~]
└─$ grep ID_01277094 /etc/passwd

(tiw@Tia-Kali)-[~]
└─$ █
```