

Bryce Baxter

9/23/25

CYSE 270

Assignment 4

PART A

Steps 1-4

```
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(student@kali.example.com)-[~]
$ grep "$(whoami)" /etc/passwd
student:x:1000:6001:Cyber Range Student:/home/student:/bin/bash

(student@kali.example.com)-[~]
$ sudo grep "$(whoami)" /etc/shadow
student:$y$j9T$V2s0TntjImRZL1JdCGqt.0$ToQ2YBiedZV22mA7LRh.EIHX.pR2oOHqPAQEf.MBWW
C:20328:0:99999:7:::

(student@kali.example.com)-[~]
$ sudo useradd -m -d /home/xxxxx xxxxx

(student@kali.example.com)-[~]
$ sudo passwd xxxxx
New password: 
```

Steps 5-6

```
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(student@kali.example.com)-[~]
$ sudo usermod -s /bin/bash xxxxx

(student@kali.example.com)-[~]
$ grep "xxxxx" /etc/passwd
xxxxx:x:1001:6003::/home/xxxxx:/bin/bash

(student@kali.example.com)-[~]
$ sudo grep "xxxxx" /etc/shadow
xxxxx:!:20354:0:99999:7:::
```

Steps 7-8

```
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(student@kali.example.com)-[~]
$ sudo usermod -aG sudo xxxxx

(student@kali.example.com)-[~]
$ su - xxxxx
Password:
(xxxxx@kali.example.com)-[~]
$ █
```

PART B

Steps 1-3

```
(xxxxx@kali.example.com)-[~]
$ cd

(xxxxx@kali.example.com)-[~]
$ echo $SHELL
/bin/bash

(xxxxx@kali.example.com)-[~]
$ id
uid=1001(xxxxx) gid=6003(xxxxx) groups=6003(xxxxx)

(xxxxx@kali.example.com)-[~]
$ id root
uid=0(root) gid=0(root) groups=0(root)
```

Step 4

```
(xxxxx@kali.example.com)-[~]  
$ ls -l /etc/group  
-rw-r--r-- 1 root root 1361 Sep 23 21:18 /etc/group
```

Steps 5-7

```
(xxxxx@kali.example.com)-[~]  
$ sudo groupadd -g 01294121 test  
  
(xxxxx@kali.example.com)-[~]  
$ grep test /etc/group  
testers:x:6002:student  
test:x:1294121:  
  
(xxxxx@kali.example.com)-[~]  
$ sudo groupmod -n newtest test
```

Steps 8-12

```
(xxxxx@kali.example.com)-[~]  
$ sudo usermod -aG newtest xxxxx  
  
(xxxxx@kali.example.com)-[~]  
$ touch ~/testfile  
  
(xxxxx@kali.example.com)-[~]  
$ sudo chgrp newtest ~/testfile  
  
(xxxxx@kali.example.com)-[~]  
$ ls -l ~/testfile  
-rw-rw-r-- 1 xxxxx newtest 0 Sep 23 21:39 /home/xxxxx/testfile  
  
(xxxxx@kali.example.com)-[~]  
$ sudo groupdel newtest  
  
(xxxxx@kali.example.com)-[~]  
$ ls -l ~/testfile  
-rw-rw-r-- 1 xxxxx 1294121 0 Sep 23 21:39 /home/xxxxx/testfile  
  
(xxxxx@kali.example.com)-[~]  
$
```