

# Task A

Step 1 – grep alex /etc/passwd

```
(alex@kalicyse270)-[~]
└─$ grep alex /etc/passwd
alex:x:1000:1000:alex,,,:/home/alex:/usr/bin/zsh

(alex@kalicyse270)-[~]
└─$
```

Step 2 – sudo grep alex /etc/shadow

```
(alex@kalicyse270)-[~]
└─$ sudo grep alex /etc/shadow
[sudo] password for alex:
alex:$y$j9T$0bWWYyI7n7AKy53aeMABD0$MTk5ejt2zMu26eY2sr1kTuhBicRCywli3LmHdJfeFs
6:20349:0:99999:7:::
```

Step 3 – sudo useradd -m abret003

```
(alex@kalicyse270)-[~]
└─$ sudo useradd -m abret003
```

Step 4 – sudo passwd abret003

```
(alex@kalicyse270)-[~]
└─$ sudo passwd abret003
New password:
Retype new password:
passwd: password updated successfully
```

Step 5 – sudo usermod -s /bin/bash abret003

```
(alex@kalicyse270)-[~]
└─$ grep abret003 /etc/passwd
abret003:x:1006:1007::/home/abret003:/bin/sh

(alex@kalicyse270)-[~]
└─$ sudo usermod -s /bin/bash abret003

(alex@kalicyse270)-[~]
└─$ grep abret003 /etc/passwd
abret003:x:1006:1007::/home/abret003:/bin/bash
```

Step 6 – sudo grep abret003 /etc/shadow

```
(alex@kalicyse270)-[~]
└─$ sudo grep abret003 /etc/shadow
abret003:$y$j9T$EVM049cnKFIYPFFBCUS35.$l6AgaTgT1xWts3CF2.ZoNJU.tb6giF8auV9tLS
1WrwC:20356:0:99999:7:::
```

Step 7 – sudo usermod -aG sudo abret003

```
(alex@kalicyse270)-[~]
└─$ sudo usermod -aG sudo abret003

(alex@kalicyse270)-[~]
└─$ id abret003
uid=1006(abret003) gid=1007(abret003) groups=1007(abret003),27(sudo)
```

Step 8 – su abret003

```
(alex@kalicyse270)-[~]
└─$ su abret003
Password:
(abret003@kalicyse270)-[/home/alex]
└─$ whoami
abret003

(abret003@kalicyse270)-[/home/alex]
└─$ █
```

## Task B

Step 1 – grep alex /etc/passwd , echo \$SHELL

```
alex@kalicyse270: ~  
Session Actions Edit View Help  
(alex@kalicyse270)-[~]  
$ grep alex /etc/passwd  
alex:x:1000:1000:alex,,,:/home/alex:/usr/bin/zsh  
  
(alex@kalicyse270)-[~]  
$ echo $SHELL  
/usr/bin/zsh  
  
(alex@kalicyse270)-[~]  
$
```

Step 2 – id alex

```
(alex@kalicyse270)-[~]  
$ id alex  
uid=1000(alex) gid=1000(alex) groups=1000(alex),4(adm),20(dialout),24(cdrom),  
25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),100(users),101(ne  
tdev),103(scanner),116(bluetooth),121(lpadmin),124(wireshark),133(kaboxer)
```

Step 3 - groups

```
(alex@kalicyse270)-[~]  
$ groups  
alex adm dialout cdrom floppy sudo audio dip video plugdev users netdev scann  
er bluetooth lpadmin wireshark kaboxer  
  
(alex@kalicyse270)-[~]  
$
```

#### Step 4 – ls -l /etc/group

```
(alex@kalicyse270)-[~]
└─$ ls -l /etc/group
-rw-r--r-- 1 root root 1379 Sep 24 22:34 /etc/group

(alex@kalicyse270)-[~]
└─$
```

#### Step 5 – sudo groupadd -g 01296026 test

```
(alex@kalicyse270)-[~]
└─$ sudo groupadd -g 01296026 test
[sudo] password for alex:
```

#### Step 6 – grep test /etc/group

```
(alex@kalicyse270)-[~]
└─$ grep test /etc/group
test:x:1296026:

(alex@kalicyse270)-[~]
└─$
```

#### Step 7 – sudo groupmod -n newtest test

```
(alex@kalicyse270)-[~]
└─$ sudo groupmod -n newtest test
```

#### Step 8 – sudo usermod -aG newtest alex

```
(alex@kalicyse270)-[~]
└─$ sudo usermod -aG newtest alex
```

## Step 9 – touch newfile , sudo chgrp newtest newfile

```
(alex@kalicyse270)-[~]
└─$ touch newfile

(alex@kalicyse270)-[~]
└─$ ls
Desktop Documents Downloads Music newfile Pictures Public Templates Videos
```

```
(alex@kalicyse270)-[~]
└─$ sudo chgrp newtest newfile
```

## Step 10 – ls -l

```
(alex@kalicyse270)-[~]
└─$ ls -l
total 32
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Desktop
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Documents
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Downloads
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Music
-rw-rw-r-- 1 alex newtest 0 Sep 24 22:56 newfile
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Pictures
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Public
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Templates
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Videos
```

## Step 11 – sudo groupdel newtest, ls -l (group is now the GID)

```
(alex@kalicyse270)-[~]
└─$ ls -l
total 32
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Desktop
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Documents
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Downloads
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Music
-rw-rw-r-- 1 alex 1296026 0 Sep 24 22:56 newfile
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Pictures
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Public
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Templates
drwxr-xr-x 2 alex alex 4096 Sep 18 12:02 Videos
```

## Step 12 – sudo userdel -r abret003

```
(alex@kalicyse270)-[~]
└─$ sudo userdel -r abret003
userdel: abret003 mail spool (/var/mail/abret003) not found

(alex@kalicyse270)-[~]
└─$
```