

Niaya Fuller

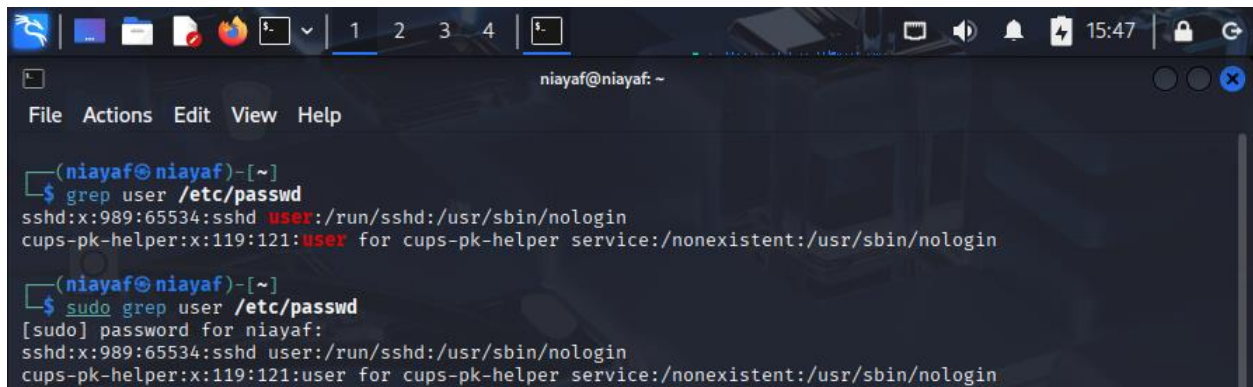
Cyse 270

Lab 4

9/25/2025

## TASK A:

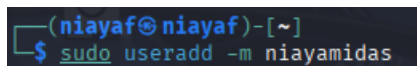
1. Execute command to display user account information
2. Execute command to display user password information



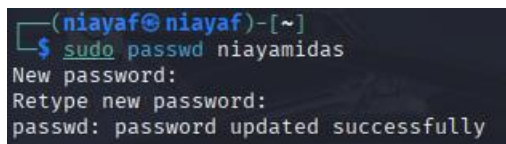
```
(niayaf@niayaf)-[~]
└─$ grep user /etc/passwd
sshd:x:989:65534:sshd user:/run/sshd:/usr/sbin/nologin
cups-pk-helper:x:119:121:user for cups-pk-helper service:/nonexistent:/usr/sbin/nologin

(niayaf@niayaf)-[~]
└─$ sudo grep user /etc/passwd
[sudo] password for niayaf:
sshd:x:989:65534:sshd user:/run/sshd:/usr/sbin/nologin
cups-pk-helper:x:119:121:user for cups-pk-helper service:/nonexistent:/usr/sbin/nologin
```

3. Create a new user and make the home directory for the user
4. Set password for user

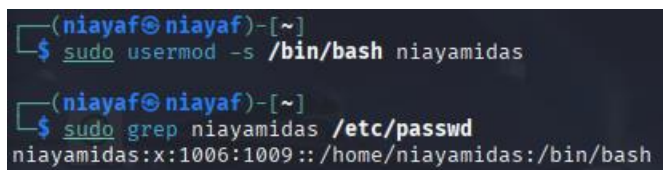


```
(niayaf@niayaf)-[~]
└─$ sudo useradd -m niayamidas
```



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

5. Set bash shell as default login shell and verify the change
6. Display user password information for the new user



```
(niayaf@niayaf)-[~]
└─$ sudo usermod -s /bin/bash niayamidas

(niayaf@niayaf)-[~]
└─$ sudo grep niayamidas /etc/passwd
niayamidas:x:1006:1009::/home/niayamidas:/bin/bash
```

7. Add the new user to the sudo group without overriding existing groups
8. Switch to the user's account

```
(niayaf@niayaf)-[~]
└─$ sudo usermod -aG sudo niayamidas

(niayaf@niayaf)-[~]
└─$ sudo usermod -U niayamidas
```

```
(niayaf@niayaf)-[~]
└─$ su niayamidas
Password:
(niayamidas@niayaf)-[~/home/niayaf]
└─$
```

## TASK B:

1. Return to home directory and determine the current shell
2. Display the current user's ID and group membership
3. Display the group membership of the root account

```
(niayamidas@niayaf)-[~/home/niayaf]
└─$ exit
exit

(niayaf@niayaf)-[~]
└─$ echo $SHELL
/usr/bin/zsh

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

(niayaf@niayaf)-[~]
└─$ groups
designers adm sudo testers
```

4. Determine the user owner and group owner of the /etc/group file
5. Create new group (misread here)
6. Display the group account information using grep

```
(niayaf@niayaf)-[~]
└─$ ls -l /etc/group
-rw-r--r-- 1 root root 1373 Sep 24 16:09 /etc/group

(niayaf@niayaf)-[~]
└─$ sudo groupadd 01325088
groupadd: '01325088' is not a valid group name

(niayaf@niayaf)-[~]
└─$ sudo groupadd midasnum
```

```
(niayaf@niayaf)-[~]
└─$ grep midasnum /etc/group
midasnum:x:1010:
```

7. Change the group name to **newtest**
8. Add the current account as a secondary member of the **newtest** group without overriding current group memberships

```
(niayaf@niayaf)-[~]
└─$ sudo groupmod -n midasnum newtest
groupmod: group 'newtest' does not exist

(niayaf@niayaf)-[~]
└─$ sudo groupmod -n newtest midasnum

(niayaf@niayaf)-[~]
└─$ sudo usermod -aG newtest niayamidas
```

9. Create new file (wrong name here) in account's home directory, then change group ownership to **newtest**
10. Display the user owner and group owner of the file

```
(niayamidas@niayaf)-[~/home/niayaf]
└─$ sudo touch newfile
[sudo] password for niayamidas:
```

```
(niayamidas@niayaf)-[~/home/niayaf]
└─$ sudo ls -l
total 44
-rw-rw-r-- 1 niayaf designers 0 Sep  4 11:12 apple.txt
-rw-rw-r-- 1 niayaf designers 0 Sep  4 11:12 apricot.txt
-rw-rw-r-- 1 niayaf designers 0 Sep  4 11:12 banana.txt
-rw-rw-r-- 1 niayaf designers 0 Sep  4 11:12 blueberry.txt
-rw-rw-r-- 1 niayaf designers 0 Sep  4 11:12 cherry.txt
-rw-rw-r-- 1 niayaf designers 0 Sep  4 11:12 cranberry.txt
drwxrwxr-x 2 niayaf designers 4096 Sep  7 22:05 data
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Desktop
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Documents
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Downloads
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Music
-rw-r--r-- 1 root root 0 Sep 24 16:23 newfile
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Pictures
-rw-rw-r-- 1 niayaf designers 88 Sep 11 11:35 practice_delete.txt
drwxrwxr-x 7 niayaf designers 4096 Sep  4 11:35 practice_folder
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Public
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Templates
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Videos
```

11. Delete the **newtest** group and repeat previous step. *I was unsure what to look for. I assume it was because I didn't change the group id properly?*
12. Delete the user along with the home directory using a single command

```
(niayamidas@niayaf)-[/home/niayaf]
└─$ sudo groupdel newtest

(niayamidas@niayaf)-[/home/niayaf]
└─$ sudo ls -l
total 44
-rw-rw-r-- 1 niayaf designers  0 Sep  4 11:12 apple.txt
-rw-rw-r-- 1 niayaf designers  0 Sep  4 11:12 apricot.txt
-rw-rw-r-- 1 niayaf designers  0 Sep  4 11:12 banana.txt
-rw-rw-r-- 1 niayaf designers  0 Sep  4 11:12 blueberry.txt
-rw-rw-r-- 1 niayaf designers  0 Sep  4 11:12 cherry.txt
-rw-rw-r-- 1 niayaf designers  0 Sep  4 11:12 cranberry.txt
drwxrwxr-x 2 niayaf designers 4096 Sep  7 22:05 data
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Desktop
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Documents
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Downloads
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Music
-rw-r--r-- 1 root    root      0 Sep 24 16:23 newfile
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Pictures
-rw-rw-r-- 1 niayaf designers  88 Sep 11 11:35 practice_delete.txt
drwxrwxr-x 7 niayaf designers 4096 Sep  4 11:35 practice_folder
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Public
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Templates
drwxr-xr-x 2 niayaf designers 4096 Aug 28 10:14 Videos

(niayamidas@niayaf)-[/home/niayaf]
└─$ exit
exit

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