

Assignment 6

1.

```
nicholas@nicholas-VirtualBox:~$ sudo groupadd payroll
nicholas@nicholas-VirtualBox:~$ sudo groupadd admin
```

```
nicholas@nicholas-VirtualBox:~$ sudo groupadd employee
```

2.

```
nicholas@nicholas-VirtualBox:~$ sudo useradd -m -k /etc/skel Sophia
nicholas@nicholas-VirtualBox:~$ sudo useradd -m -k /etc/skel Olivia
nicholas@nicholas-VirtualBox:~$ sudo useradd -m -k /etc/skel Emma
nicholas@nicholas-VirtualBox:~$ tail -3 /etc/passwd
Sophia:x:1001:1004::/home/Sophia:/bin/sh
Olivia:x:1002:1005::/home/Olivia:/bin/sh
Emma:x:1003:1006::/home/Emma:/bin/sh
nicholas@nicholas-VirtualBox:~$ usermod -s /bin/bash Sophia
usermod: Permission denied.
usermod: cannot lock /etc/passwd; try again later.
nicholas@nicholas-VirtualBox:~$ sudo usermod -s /bin/bash Sophia
nicholas@nicholas-VirtualBox:~$ sudo usermod -s /bin/bash Olivia
nicholas@nicholas-VirtualBox:~$ sudo usermod -s /bin/bash Emma
nicholas@nicholas-VirtualBox:~$
```

```
nicholas@nicholas-VirtualBox:~$ sudo usermod -s /bin/bash Sophia
nicholas@nicholas-VirtualBox:~$ sudo usermod -s /bin/bash Olivia
nicholas@nicholas-VirtualBox:~$ sudo usermod -s /bin/bash Emma
nicholas@nicholas-VirtualBox:~$ sudo usermod -G employee -a Sophia
nicholas@nicholas-VirtualBox:~$ id Sophia
uid=1001(Sophia) gid=1004(Sophia) groups=1004(Sophia),1001(employee)
nicholas@nicholas-VirtualBox:~$ id Olivia
uid=1002(Olivia) gid=1005(Olivia) groups=1005(Olivia)
nicholas@nicholas-VirtualBox:~$ sudo usermod -G payroll -a Olivia
nicholas@nicholas-VirtualBox:~$ sudo usermod -G admin -a Emma
nicholas@nicholas-VirtualBox:~$ id olivia
id: 'olivia': no such user
nicholas@nicholas-VirtualBox:~$ id Olivia
uid=1002(Olivia) gid=1005(Olivia) groups=1005(Olivia),1002(payload)
nicholas@nicholas-VirtualBox:~$ id Emma
uid=1003(Emma) gid=1006(Emma) groups=1006(Emma),1003(admin)
nicholas@nicholas-VirtualBox:~$ sudo passwd Sophia
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
```

```
passwd: password updated successfully
nicholas@nicholas-VirtualBox:~$ sudo passwd Olivia
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
nicholas@nicholas-VirtualBox:~$ sudo passwd Emma
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
nicholas@nicholas-VirtualBox:~$
```

3.

```
nicholas@nicholas-VirtualBox:~$ sudo groupadd nrobe017
nicholas@nicholas-VirtualBox:~$ sudo usermod -G nrobe017 -a Sophia
nicholas@nicholas-VirtualBox:~$ id Sophia
uid=1001(Sophia) gid=1004(Sophia) groups=1004(Sophia),1001(employee),1007(nrobe017)
nicholas@nicholas-VirtualBox:~$ sudo usermod -G nrobe017 -a Olivia
nicholas@nicholas-VirtualBox:~$ sudo usermod -G nrobe017 -a Emma
nicholas@nicholas-VirtualBox:~$
```

4.

```
nicholas@nicholas-VirtualBox:~$ sudo chgrp nrobe017 /home/cyse_project
nicholas@nicholas-VirtualBox:~$ ls -ld /home/cyse_project
drwxr-xr-x 2 root nrobe017 4096 Feb 20 14:49 /home/cyse_project
nicholas@nicholas-VirtualBox:~$
```

5.

```
nicholas@nicholas-VirtualBox:~$ sudo chmod 770 /home/cyse_project
nicholas@nicholas-VirtualBox:~$ ls -ld /home/cyse_project
drwxrwx--- 2 root nrobe017 4096 Feb 20 14:49 /home/cyse_project
nicholas@nicholas-VirtualBox:~$
```

6.

```
Sophia@nicholas-VirtualBox:~$ umask
0002
Sophia@nicholas-VirtualBox:~$ umask 027
Sophia@nicholas-VirtualBox:~$ umask
0027
```

```
Sophia@nicholas-VirtualBox:~$ echo "Nicholas">>Sophia_homework
Sophia@nicholas-VirtualBox:~$ cat Sophia_homework
doing homeork
doing homework
Nicholas
Sophia@nicholas-VirtualBox:~$ █
```

7.

```
Sophia@nicholas-VirtualBox:~$ cp Sophia_homework /home/cyse_project
Sophia@nicholas-VirtualBox:~$ ls
Sophia_homework
Sophia@nicholas-VirtualBox:~$ ls -l
total 4
-rw-r----- 1 Sophia Sophia 38 Feb 20 15:22 Sophia_homework
Sophia@nicholas-VirtualBox:~$
```

8.

```
Emma@nicholas-VirtualBox:/home/Sophia$ cat Sophia_homework
cat: Sophia_homework: Permission denied
Emma@nicholas-VirtualBox:/home/Sophia$
```

9.

```
EMMA@nicholas-VirtualBox:~$ exit
exit
Sophia@nicholas-VirtualBox:~$ exit
exit
nicholas@nicholas-VirtualBox:~$
```

10.

Task B

```
nicholas@nicholas-VirtualBox:~$ sudo chmod g+s /home/cyse_project
[sudo] password for nicholas:
nicholas@nicholas-VirtualBox:~$ ls -l
```

1.

```
Sophia@nicholas-VirtualBox:/home/cyse_project$ cp Sophia_homework Sophia_homework2
Sophia@nicholas-VirtualBox:/home/cyse_project$ ls
Sophia_homework Sophia_homework2
Sophia@nicholas-VirtualBox:/home/cyse_project$
```

2.

```
Emma@nicholas-VirtualBox:/home/cyse_project$ cat Sophia_homework2
doing homeork
doing homework
Nicholas
3. Emma@nicholas-VirtualBox:/home/cyse_project$
```

Task C

```
nicholas@nicholas-VirtualBox:~$ sudo su
[sudo] password for nicholas:
root@nicholas-VirtualBox:/home/nicholas# Sudo chmod g-s /home/cyse_project
Command 'Sudo' not found, did you mean:
  command 'ludo' from snap ludo (0.16.20)
  command 'udo' from deb udo (6.4.1-6)
  command 'sudo' from deb sudo (1.9.9-1ubuntu2.2)
  command 'sudo' from deb sudo-ldap (1.9.9-1ubuntu2.2)
See 'snap info <snapname>' for additional versions.
root@nicholas-VirtualBox:/home/nicholas# sudo g-s /home/cyse_project
sudo: g-s: command not found
root@nicholas-VirtualBox:/home/nicholas# sudo chmod g-s /home/cyse_project
root@nicholas-VirtualBox:/home/nicholas# exit
1. exit
```

```
nicholas@nicholas-VirtualBox:~$ su Sophia
Password:
Sophia@nicholas-VirtualBox:/home/nicholas$ cp Sophia_homework Sophia_homework3
cp: failed to access 'Sophia_homework3': Permission denied
Sophia@nicholas-VirtualBox:/home/nicholas$ cd /home/cyse_project
Sophia@nicholas-VirtualBox:/home/cyse_project$ cp Sophia_homework Sophia_homewo
rk3
Sophia@nicholas-VirtualBox:/home/cyse_project$ ls
2. Sophia homework Sophia homework2 Sophia homework3
```

```
Olivia@nicholas-VirtualBox:/home/nicholas$ cat Sophia_homework3
cat: Sophia_homework3: Permission denied
3. Olivia@nicholas-VirtualBox:/home/nicholas$
```

