

Lab 6 File Permission

Task A

```
File Actions Edit View Help
(corey@coreystokes)-[~]
$ sudo groupadd employee
groupadd: group 'employee' already exists
(corey@coreystokes)-[~]
$ sudo groupadd payroll
groupadd: group 'payroll' already exists
(corey@coreystokes)-[~]
$ sudo groupadd admin
groupadd: group 'admin' already exists
(corey@coreystokes)-[~]
$ sudo useradd -m -g employee -s /bin/bash sophia
useradd: user 'sophia' already exists
(corey@coreystokes)-[~]
$ sudo useradd -m -g payroll -s /bin/bash olivia
useradd: user 'olivia' already exists
(corey@coreystokes)-[~]
$ sudo useradd -m -g admin -s /bin/bash emma
(corey@coreystokes)-[~]
$
```

```
(corey@coreystokes)-[~]
$ sudo passwd sophia
New password:
Retype new password:
passwd: password updated successfully
(corey@coreystokes)-[~]
$ sudo passwd olivia
New password:
Retype new password:
passwd: password updated successfully
(corey@coreystokes)-[~]
$ sudo passwd emma
New password:
Retype new password:
passwd: password updated successfully
(corey@coreystokes)-[~]
$
```

```
(corey@coreystokes)-[~]
$ sudo groupadd cstok011
(corey@coreystokes)-[~]
$ sudo usermod -aG cstok011 sophia
(corey@coreystokes)-[~]
$ sudo usermod -aG cstok011 olivia
(corey@coreystokes)-[~]
$ sudo usermod -aG cstok011 emma
(corey@coreystokes)-[~]
$ groups sophia
Command 'groups' not found, did you mean:
  Command 'grouos' from deb coreutils
Try: sudo apt install <deb name>
(corey@coreystokes)-[~]
$ groups sophia
sophia : employee cstok011
(corey@coreystokes)-[~]
$ groups olivia
olivia : payroll cstok011
(corey@coreystokes)-[~]
$ groups emma
emma : admin cstok011
(corey@coreystokes)-[~]
$
```

```
(corey@coreystokes)-[~]
$ sudo mkdir /home/cyse_project
(corey@coreystokes)-[~]
$ sudo chown :cstok011 /home/cyse_project
(corey@coreystokes)-[~]
$
```

```
sophia@coreystokes:~$
File Actions Edit View Help
(corey@coreystokes)-[/home]
$ sudo chown :cstok011 /home/cyse_project
(corey@coreystokes)-[/home]
$ ls -ld /home/cyse_project
drwxrwx--- 2 root cstok011 4096 Oct 27 20:07 /home/cyse_project
(corey@coreystokes)-[/home]
$ sudo chown 770 /home/cyse_project
(corey@coreystokes)-[/home]
$ ls -ld /home/cyse_project
drwxrwx--- 2 770 cstok011 4096 Oct 27 20:07 /home/cyse_project
(corey@coreystokes)-[/home]
$ su sophia
Password:
(sophia@coreystokes)-[/home]
$ umask 027
```

```
sophia@coreystokes: ~  
File Actions Edit View Help  
  
(sophia@coreystokes)-[~]  
$ umask 027  
  
(sophia@coreystokes)-[~]  
$ umask  
0027  
  
(sophia@coreystokes)-[~]  
$ touch testfile  
  
(sophia@coreystokes)-[~]  
$ ls -l testfile  
-rw-r----- 1 sophia employee 0 Oct 29 15:33 testfile  
  
(sophia@coreystokes)-[~]  
$
```

```
File Actions Edit View Help  
  
(sophia@coreystokes)-[~]  
$ cd ~  
  
(sophia@coreystokes)-[~]  
$ echo "coreystokes" > sophia_homework  
  
(sophia@coreystokes)-[~]  
$ ls -l sophia_homework  
-rw-rw-r-- 1 sophia employee 12 Oct 29 15:35 sophia_homework  
  
(sophia@coreystokes)-[~]  
$ cat sophia_homework  
coreystokes  
  
(sophia@coreystokes)-[~]  
$
```

```
(sophia@coreystokes)-[~]  
$ cp ~/sophia_homework /home/cyse_project/  
  
(sophia@coreystokes)-[~]  
$ ls -l /home/cyse_project  
total 4  
-rw-r----- 1 sophia employee 12 Oct 29 15:37 sophia_homework  
  
(sophia@coreystokes)-[~]  
$ sudo chown :cstok011 /home/cyse_project/sophia_homework  
[sudo] password for sophia:  
sophia is not in the sudoers file.  
  
(sophia@coreystokes)-[~]  
$ ls -l /home/cyse_project/  
total 4  
-rw-r----- 1 sophia employee 12 Oct 29 15:37 sophia_homework  
  
(sophia@coreystokes)-[~]  
$
```

```
(sophia@coreystokes)-[~]
$ su emma
Password:
(emma@coreystokes)-[/home/sophia]
$ cat /home/cyse_project/sophia_homework
cat: /home/cyse_project/sophia_homework: Permission denied

(emma@coreystokes)-[/home/sophia]
$ grouos emma
Command 'grouos' not found, did you mean:
  command 'groups' from deb coreutils
Try: sudo apt install <deb name>

(emma@coreystokes)-[/home/sophia]
$ sudo usermod -aG cstok011 emma
[sudo] password for emma:
emma is not in the sudoers file.

(emma@coreystokes)-[/home/sophia]
$
```

```
(emma@coreystokes)-[/home/sophia]
$ # exit emma's account

(emma@coreystokes)-[/home/sophia]
$ #exit sophia's account

(emma@coreystokes)-[/home/sophia]
$ # exit sophia's account

(emma@coreystokes)-[/home/sophia]
$
```

Task B

```
File Actions Edit View Help
(sophia@coreystokes)-[/home]
$ sudo chmod g+s /home/cyse_project

(corey@coreystokes)-[/home]
$ ls -ld /home/cyse_project
drwxrws--- 2 770 cstok011 4096 Oct 29 15:37 /home/cyse_project

(corey@coreystokes)-[/home]
$ su sophia
Password:
(sophia@coreystokes)-[/home]
$ cp ~/sophia_homework /home/cyse_project/sophia_homework2

(sophia@coreystokes)-[/home]
$ ls -l /home/cyse_projects/
ls: cannot access '/home/cyse_projects/': No such file or directory

(sophia@coreystokes)-[/home]
$ ls -l /home/cyse_project/
total 8
-rw-r----- 1 sophia employee 12 Oct 29 15:37 sophia_homework
-rw-rw-r-- 1 sophia cstok011 12 Oct 29 15:51 sophia_homework2

(sophia@coreystokes)-[/home]
$ su emma
Password:
(emma@coreystokes)-[/home]
$ cat /home/cyse_project/sophia_homework2
coreystokes

(emma@coreystokes)-[/home]
$ sudo usermod -aG cstok011 emma
[sudo] password for emma:
emma is not in the sudoers file.

(emma@coreystokes)-[/home]
$
```

Task C

```
File Actions Edit View Help

(corey@coreystokes)-[/home]
$ sudo chmod g-s /home/cyse_project

(corey@coreystokes)-[/home]
$ ls -ld /home/cyse_project
drwxrwx--- 2 770 cstok011 4096 Oct 29 15:51 /home/cyse_project

(corey@coreystokes)-[/home]
$ su sophia
Password:
(sophia@coreystokes)-[/home]
$ cp ~/sophia_homework /home/cyse_project/sophia_homework2

(sophia@coreystokes)-[/home]
$ cp ~/sophia_homework /home/cyse_project/sophia_homework3

(sophia@coreystokes)-[/home]
$ ls -l /home/cyse_project/
total 12
-rw-r----- 1 sophia employee 12 Oct 29 15:37 sophia_homework
-rw-rw-r-- 1 sophia cstok011 12 Oct 29 15:57 sophia_homework2
-rw-rw-r-- 1 sophia employee 12 Oct 29 15:57 sophia_homework3

(sophia@coreystokes)-[/home]
$ su olivia
Password:
(olivia@coreystokes)-[/home]
$ cat /home/cyse_project/sophia_homework3
coreystokes

(olivia@coreystokes)-[/home]
$
```