

# Session 3 Task

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## 1. Create a new user and a group

```
ziad@pop-os:~$ sudo useradd -m osc
ziad@pop-os:~$ sudo passwd osc
New password:
Retype new password:
passwd: password updated successfully
ziad@pop-os:~$ sudo groupadd osc_group
ziad@pop-os:~$ sudo usermod -aG osc_group osc
ziad@pop-os:~$ sudo usermod -aG sudo osc
ziad@pop-os:~$ su osc
Password:
$ cd
$ pwd
/home/osc
$
```

```
sudo useradd -m osc
sudo passwd osc
sudo groupadd osc_group
sudo usermod -aG osc_group osc
sudo usermod -aG sudo osc
su osc
cd
pwd
```

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## 2. Change the permissions of a file

```
$ mkdir premission_practice
$ cd premission_practice
$ chmod 666 public_file.txt>>public_file.txt
$ chmod 600 private_file.txt>>private_file.txt
$ chmod 750 executable_script.sh>>executable_script.sh
$ ls -li
total 0
468313 -rwxr-x--- 1 osc osc 0 Aug 15 17:07 executable_script.sh
468296 -rw----- 1 osc osc 0 Aug 15 17:06 private_file.txt
466689 -rw-rw-rw- 1 osc osc 0 Aug 15 17:05 public_file.txt
$
```

```
mkdir premission_practice
cd premission_practice
chmod 666 public_file.txt>>public_file.txt
chmod 600 private_file.txt>>private_file.txt
chmod 750 executable_script.sh>>executable_script.sh
ls -li
```

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### 3. Change the owner of a file

```
$ sudo chown ziad:osc_group private_file.txt
[sudo] password for osc:
$ ls -l private_file.txt
-rw----- 1 ziad osc_group 0 Aug 15 17:06 private_file.txt
$
```

```
sudo chown ziad:osc_group private_file.txt
ls -l private_file.txt
```

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### 4. Process management

```
ziad@pop-os:~$ sleep 1000 &
[1] 4915
ziad@pop-os:~$ ps
  PID TTY          TIME CMD
 4886 pts/1        00:00:00 bash
 4915 pts/1        00:00:00 sleep
 4916 pts/1        00:00:00 ps
ziad@pop-os:~$ kill 4915
ziad@pop-os:~$ vim
[1]  Terminated                  sleep 1000

[2]+  Stopped                      vim
ziad@pop-os:~$ pkill vim
ziad@pop-os:~$ fg %1
bash: fg: %1: no such job
ziad@pop-os:~$ jobs
[2]+  Stopped                      vim
ziad@pop-os:~$ fg %2
vim
Vim: Caught deadly signal TERM
Vim: Finished.

Terminated
ziad@pop-os:~$ jobs
ziad@pop-os:~$
```

```
sleep 1000 &
ps
kill 4915
vim
^Z
pkill vim
fg %2
jobs
```

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## 5. Package management

```
ziad@pop-os:~$ sudo apt search neofetch
Sorting... Done
Full Text Search... Done
neofetch/jammy,jammy 7.1.0-3 all
  Shows Linux System Information with Distribution Logo
```

```
ziad@pop-os:~$ sudo apt install neofetch
```

```
ziad@pop-os:~$ sudo apt remove neofetch
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  caca-utils chafa jp2a libchafa0 toilet toilet-fonts
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
  neofetch
0 upgraded, 0 newly installed, 1 to remove and 163 not upgraded.
After this operation, 359 kB disk space will be freed.
Do you want to continue? [Y/n] y
(Reading database ... 212228 files and directories currently installed.)
Removing neofetch (7.1.0-3) ...
Processing triggers for man-db (2.10.2-1) ...
ziad@pop-os:~$
```

```
sudo apt search neofetch
sudo apt install neofetch
sudo apt remove neofetch
```

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