Write down commands for the tasks mentioned below
- Create a user with user group
- Create two directories in user's home directory named os-concepts and ubuntu-is-the-best
- Create two files on each directory
- List the files with detailed information (including file permission)
- Update file permission so that owner can read,write and group can only read and others can not do anything
-

- Update file ownership to the newly created group
- Add the user to the new group
- Create a file called crash.in (File should contain the word crash in it) in different directories and then find the file in all the locations using find command
- Then, replace the lines with crash to broken to all files (use sed, xargs)

Submission guideline:
- Create a repo and upload each command
- Make a documentation that will contain the output of your command
- add it to your git repo
- Share the repository link

Submission deadline:
Sunday 11:59 PM, 8th October, 2023

- Create a user with user group:
- sudo groupadd cse
- sudo useradd sian
- sudo passwd sian
- sudo usermod -G cse

```
sian@sian-pc:~$ sudo useradd afra
sian@sian-pc:~$ sudo passwd afra
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
sian@sian-pc:~$ sudo /etc/passwd
```
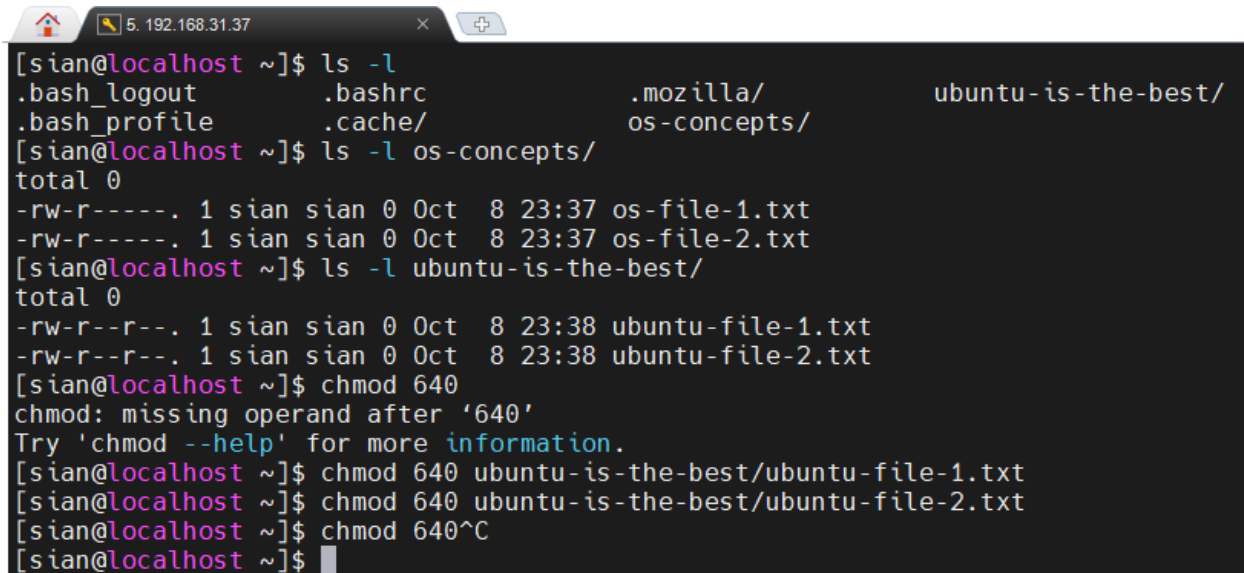
```
cockpit-ws instance:x:982:981:User for cockpit-ws instances:/nonexisting:/
gnome-initial-setup:x:981:980::/run/gnome-initial-setup/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin
chrony:x:980:979:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:979:978:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/sbin/nolo
tcpdump:x:72:72::/:/sbin/nologin
sumon:x:1000:1000:Sumon:/home/sumon:/bin/bash
sian:x:1001:1001::/home/sian:/bin/bash
[root@localhost ~]#
```

Create two directories in user's home directory named os-concepts and ubuntu-is-the-best
- sudo su sian
- cd
- mkdir os-concepts
- mkdir ubuntu-is-the-best
- cd ubuntu-is-the-best
- touch ubuntu-file-1.txt
- touch ubuntu-file-2.txt
- cd os-concepts
- touch os-file-1.txt
- touch os-file-2.txt
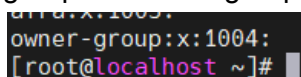
Update file permission

- chmod 640 os-concepts/os-file-1.txt
- chmod 640 os-concepts/os-file-2.txt
- chmod 640 ubuntu-is-the-best/ubuntu-file-1.txt
- chmod 640 ubuntu-is-the-best/ubuntu-file-2.txt

```
[sian@localhost ~]$ ls -l
.bash_logout        .bashrc              .mozilla/            ubuntu-is-the-best/
.bash_profile       .cache/              os-concepts/
[sian@localhost ~]$ ls -l os-concepts/
total 0
-rw-r-----. 1 sian sian 0 Oct  8 23:37 os-file-1.txt
-rw-r-----. 1 sian sian 0 Oct  8 23:37 os-file-2.txt
[sian@localhost ~]$ ls -l ubuntu-is-the-best/
total 0
-rw-r--r--. 1 sian sian 0 Oct  8 23:38 ubuntu-file-1.txt
-rw-r--r--. 1 sian sian 0 Oct  8 23:38 ubuntu-file-2.txt
[sian@localhost ~]$ chmod 640
chmod: missing operand after '640'
Try 'chmod --help' for more information.
[sian@localhost ~]$ chmod 640 ubuntu-is-the-best/ubuntu-file-1.txt
[sian@localhost ~]$ chmod 640 ubuntu-is-the-best/ubuntu-file-2.txt
[sian@localhost ~]$ chmod 640^C
[sian@localhost ~]$
```

Create another group:

- groupadd owner-group

```
arra.x:1005:
owner-group:x:1004:
[root@localhost ~]#
```

Update file ownership to the newly created group:

- chown :owner-group /home/sian/os-concepts/os-file-1.txt
- chown :owner-group /home/sian/os-concepts/os-file-2.txt
- chown :owner-group /home/sian/ubuntu-is-the-best/ubuntu-file-1.txt
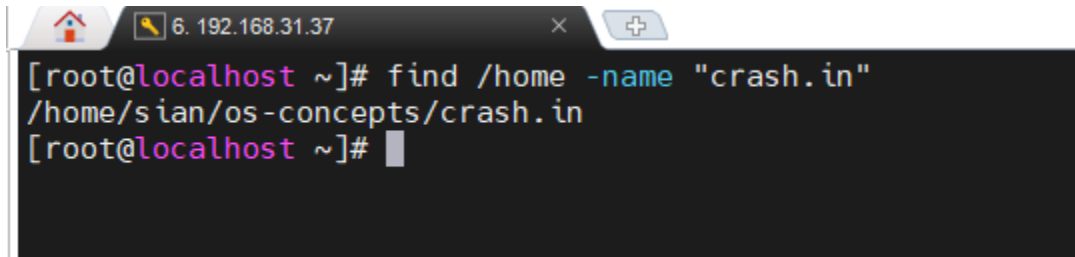- chown :owner-group /home/sian/ubuntu-is-the-best/ubuntu-file-2.txt

Add the user to the new group

- usermod sian -G owner-group

```
[root@localhost ~]# usermod sian -G owner-group
[root@localhost ~]# groups sian
sian : sian owner-group
[root@localhost ~]#
```

Create a file called crash.in (File should contain the word crash in it) in different directories and then find the file in all the locations using find command

- touch /home/sian/os-concepts/crash.in
- vi /home/sian/os-concepts/crash.in
- find /home -name "crash.in"

```
6. 192.168.31.37                    ×
[root@localhost ~]# find /home -name "crash.in"
/home/sian/os-concepts/crash.in
[root@localhost ~]#
```

Then, replace the lines with crash to broken to all files (use sed, xargs)

- find /home -name "crash.in" -exec sed -i 's/crash/broken/g' {} \;

```
ed. It was popularised


crash in it

crash in it 200~What is Lorem Ipsum?
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standa
ummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specime
ok. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unc
ed. It was popularised
[root@localhost ~]# find /home -name "crash.in"
/home/sian/os-concepts/crash.in
[root@localhost ~]# find /home -name "crash.in" -exec sed -i 's/crash/broken/g' {} \;
[root@localhost ~]# cat  /home/sian/os-concepts/crash.in
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```