Assignment 2

1. Create a file named secure.txt

```
/home/ubuntu/linux_practice
ubuntu@ip-172-31-24-46:~/linux_practice$ touch secure.txt
ubuntu@ip-172-31-24-46:~/linux_practice$
```

2. Set permissions so that: ○ Owner → read/write ○ Group → read only ○ Others → no access

```
-rw-rw-r-- 1 ubuntu ubuntu  21 Jan 13 09:43 f1.txt
-rw-rw-r-- 1 ubuntu ubuntu  21 Jan 13 09:43 f2.txt
-rw-rw-r-- 1 ubuntu ubuntu 173 Jan 13 09:48 f3.txt
ubuntu@ip-172-31-24-46:~/linux_practice/day1/files$ chmod 640 f1.txt
ubuntu@ip-172-31-24-46:~/linux_practice/day1/files$ ls -l
total 12
-rw-r----- 1 ubuntu ubuntu  21 Jan 13 09:43 f1.txt
-rw-rw-r-- 1 ubuntu ubuntu  21 Jan 13 09:43 f2.txt
-rw-rw-r-- 1 ubuntu ubuntu 173 Jan 13 09:48 f3.txt
ubuntu@ip-172-31-24-46:~/linux_practice/day1/files$
```

3. Change ownership of the file to another user.

```
chown: changing ownership of 'f1.txt': Operation not permitted
ubuntu@ip-172-31-24-46:~/linux_practice/day1/files$ sudo chown supratik f1.txt
ubuntu@ip-172-31-24-46:~/linux_practice/day1/files$ ls -l
total 12
-rw-r----- 1 supratik ubuntu  21 Jan 13 09:43 f1.txt
-rw-rw-r-- 1 ubuntu   ubuntu  21 Jan 13 09:43 f2.txt
-rw-rw-r-- 1 ubuntu   ubuntu 173 Jan 13 09:48 f3.txt
ubuntu@ip-172-31-24-46:~/linux_practice/day1/files$
```

4. Explain: ○ Why 777 is dangerous ○ Difference between permission and ownership
   ➔ 777 is dangerous because all user have the right to read, write and excute. So, any
     unwanted user can make any changes to the file and corrupt the file.
   ➔ Permission refers to the set of activities a person is allowed to perform on a file,
     directory or a link whereas ownership refers to who owns the files – the owner and the
     group which owns the file.