Task-2

1.Create a file with .txt extension (/home/demo.txt). Change the permission set of that file, so that any user can read it, group can read/write & owner can read/write/execute it.

Step 1:

Create the File: **sudo touch /home/demo.txt**

```
ashok@ashok:/$ sudo touch /home/demo.txt
[sudo] password for ashok:
ashok@ashok:/$ cd /home
ashok@ashok:/home$ ls -l
total 4
drwxr-x--- 18 ashok ashok 4096 May 21 08:00 ashok
-rw-r--r--  1 root  root     0 May 21 08:10 demo.txt
ashok@ashok:/home$
```

Step 2:

Set the Correct Permissions: **sudo chmod 764 /home/demo.txt , ls -l /home/demo.txt**

```
ashok@ashok:/$ sudo chmod 764 /home/demo.txt
ashok@ashok:/$ cd /home
ashok@ashok:/home$ ls -l
total 4
drwxr-x--- 18 ashok ashok 4096 May 21 08:00 ashok
-rwxrw-r--  1 root  root     0 May 21 08:10 demo.txt
ashok@ashok:/home$
```

Step 3:

Change Owner or Group: **sudo chown username:groupname /home/demo.txt**

```
devops_p@ashok:/$ cd ..
devops_p@ashok:/$ groupadd dev
groupadd: Permission denied.
groupadd: cannot lock /etc/group; try again later.
devops_p@ashok:/$ sudo groupadd dev
[sudo] password for devops_p:
devops_p@ashok:/$ su ashok
Password:
ashok@ashok:/$ sudo chown devops_p:dev home/demo.txt
[sudo] password for ashok:
ashok@ashok:/$
```

```
devops_p@ashok:/$ grep dev etc/group
sudo:x:27:ashok,devops_p
plugdev:x:46:ashok
users:x:100:ashok,devops_p
netdev:x:110:
devops:x:1001:
devops_p:x:1002:
dev:x:1003:
devops_p@ashok:/$
```