Task Description:

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.

Solution:

1. I Already created One User Using sudo adduser (username)
2. In Home directory I Created Demo.txt file normally it's not create & came permission denied. So I used sudo touch demo.txt.


```
ravikumar@DESKTOP-JMSLBGI: /home
ravikumar@DESKTOP-JMSLBGI:/home$ touch demo.txt
touch: cannot touch 'demo.txt': Permission denied
ravikumar@DESKTOP-JMSLBGI:/home$ ls
dhanda   ravikumar
ravikumar@DESKTOP-JMSLBGI:/home$ sudo touch demo.txt
[sudo] password for ravikumar:
ravikumar@DESKTOP-JMSLBGI:/home$ ls
demo.txt   dhanda   ravikumar
ravikumar@DESKTOP-JMSLBGI:/home$
```

3. Now I need to change the permission of Demo.txt. first I commend ls -l to see what are all permission currently have. Then I change the permission using sudo chmod (permissions) (filename).


```
ravikumar@DESKTOP-JMSLBGI: /home
ravikumar@DESKTOP-JMSLBGI:/home$ ls -l
total 8
-rw-r--r-- 1 root       root          0 May 20 09:21 demo.txt
drwxr-x--- 2 dhanda     dhanda     4096 May 18 19:11 dhanda
drwxr-x--- 6 ravikumar ravikumar 4096 May 20 09:05 ravikumar
ravikumar@DESKTOP-JMSLBGI:/home$ sudo chmod u+x,g+rw demo.txt
ravikumar@DESKTOP-JMSLBGI:/home$ ls -l
total 8
-rwxrw-r-- 1 root       root          0 May 20 09:21 demo.txt
drwxr-x--- 2 dhanda     dhanda     4096 May 18 19:11 dhanda
drwxr-x--- 6 ravikumar ravikumar 4096 May 20 09:05 ravikumar
ravikumar@DESKTOP-JMSLBGI:/home$
```

4. The result is Owner have read/write/execute, Group have read/write, Other user have only the read permission.