

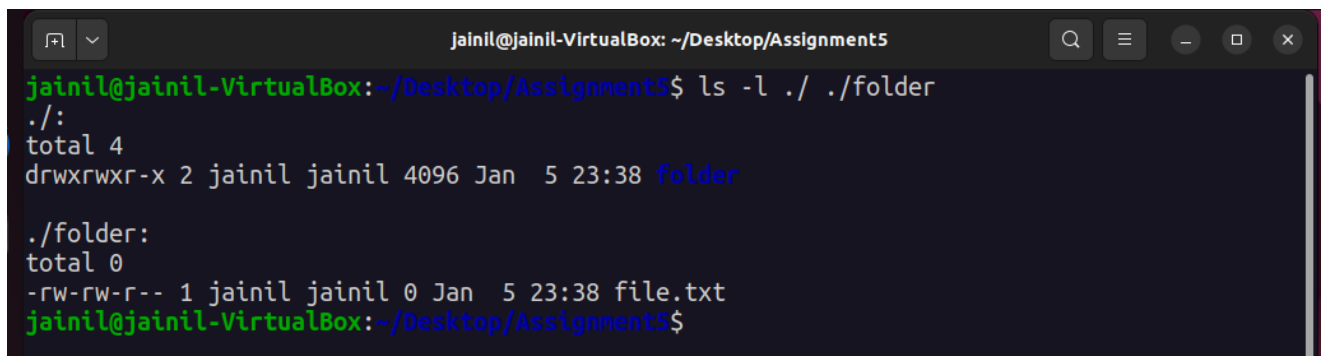
TASK 2

File Permission

Task: Create a file/folder and give it the fine-grained access to it. Research which user need how much permissions. Document the all the process and your research.

To check permission of file/folder use:

```
ls -l ./ ./folder
```



```
jainil@jainil-VirtualBox: ~/Desktop/Assignment5
jainil@jainil-VirtualBox:~/Desktop/Assignment5$ ls -l ./ ./folder
./:
total 4
drwxrwxr-x 2 jainil jainil 4096 Jan  5 23:38 folder

./folder:
total 0
-rw-rw-r-- 1 jainil jainil 0 Jan  5 23:38 file.txt
jainil@jainil-VirtualBox:~/Desktop/Assignment5$
```

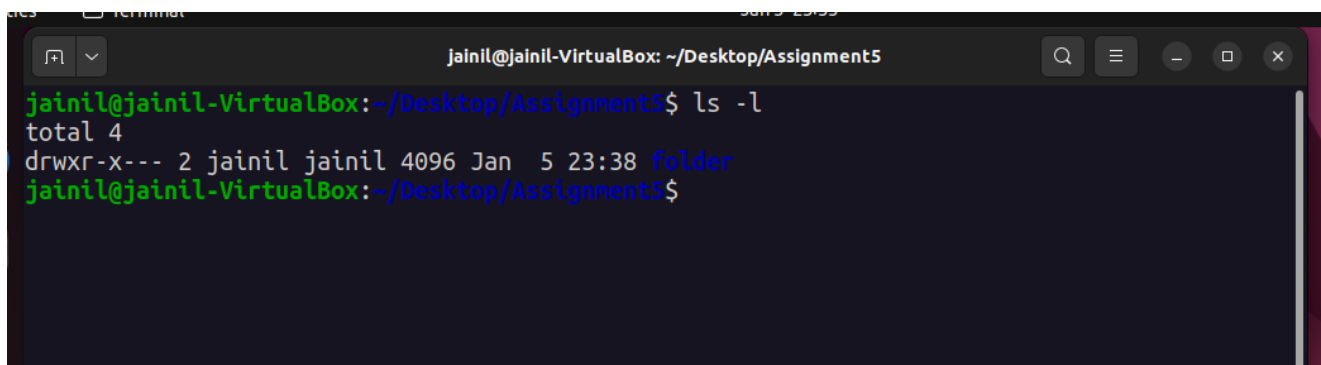
To change permissions of the folder such that owner can read, write and execute while group can only read and execute and others can't access the file use command:

```
chmod 750 folder
```

7 (Owner): Read(4) + Write(2) + Execute(1)

5 (Group): Read(4) + Execute(1)

0 (Others)



```
jainil@jainil-VirtualBox: ~/Desktop/Assignment5
jainil@jainil-VirtualBox:~/Desktop/Assignment5$ ls -l
total 4
drwxr-x--- 2 jainil jainil 4096 Jan  5 23:38 folder
jainil@jainil-VirtualBox:~/Desktop/Assignment5$
```

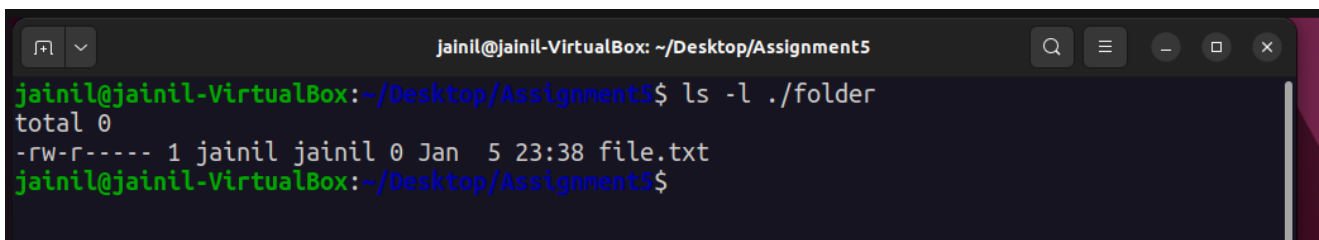
To change the permission of the 'file.txt' such that owner can only read and write the file while group members can only read the file and other do can't read, write or execute, use command:

```
chmod 640 folder
```

6 (Owner): Read(4) + Write(2)

4 (Group): Read(4)

0 (Others)

A terminal window titled 'jainil@jainil-VirtualBox: ~/Desktop/Assignment5'. The prompt is 'jainil@jainil-VirtualBox:~/Desktop/Assignment5\$'. The command 'ls -l ./folder' has been entered. The output shows 'total 0' followed by a single file entry: '-rw-r----- 1 jainil jainil 0 Jan 5 23:38 file.txt'. The prompt is now 'jainil@jainil-VirtualBox:~/Desktop/Assignment5\$'.

```
jainil@jainil-VirtualBox: ~/Desktop/Assignment5
jainil@jainil-VirtualBox:~/Desktop/Assignment5$ ls -l ./folder
total 0
-rw-r----- 1 jainil jainil 0 Jan 5 23:38 file.txt
jainil@jainil-VirtualBox:~/Desktop/Assignment5$
```