

Lab Task 5

create a test file

```
(base) tazmeen@afroz:~$ cd Desktop/  
(base) tazmeen@afroz:~/Desktop$ cd main  
(base) tazmeen@afroz:~/Desktop/main$ ls  
blankdir  dirpointer  file_soft.txt  soft.txt  
blankfile  filepointer  main.txt      temp.txt  
(base) tazmeen@afroz:~/Desktop/main$ touch test.txt  
(base) tazmeen@afroz:~/Desktop/main$ vim test.txt  
(base) tazmeen@afroz:~/Desktop/main$ cat test.txt  
Tazmeen Afroz  
(base) tazmeen@afroz:~/Desktop/main$
```

ls -lh to view permissions

```
(base) tazmeen@afroz:~/Desktop/main$ ls -lh  
total 36K  
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 13 09:43 blankdir  
-rw-rw-r-- 2 tazmeen tazmeen 11 Sep 13 09:45 blankfile  
lrwxrwxrwx 1 tazmeen tazmeen 8 Sep 13 09:44 dirpointer -> blankdir  
-rw-rw-r-- 2 tazmeen tazmeen 11 Sep 13 09:45 filepointer  
lrwxrwxrwx 1 tazmeen tazmeen 13 Sep 13 09:34 file_soft.txt -> file_link.txt  
-rw-rw-r-- 1 tazmeen tazmeen 9 Sep 13 09:42 main.txt  
lrwxrwxrwx 1 tazmeen tazmeen 8 Sep 13 09:42 soft.txt -> main.txt  
-rw-rw-r-- 1 tazmeen tazmeen 13K Sep 13 10:05 temp.txt  
-rw-rw-r-- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt  
(base) tazmeen@afroz:~/Desktop/main$
```

change permissions using chmod command

```
-rw-rw-r-- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt  
(base) tazmeen@afroz:~/Desktop/main$ chmod 761 test.txt  
(base) tazmeen@afroz:~/Desktop/main$ ls -lh  
total 36K  
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 13 09:43 blankdir  
-rw-rw-r-- 2 tazmeen tazmeen 11 Sep 13 09:45 blankfile  
lrwxrwxrwx 1 tazmeen tazmeen 8 Sep 13 09:44 dirpointer -> blankdir  
-rw-rw-r-- 2 tazmeen tazmeen 11 Sep 13 09:45 filepointer  
lrwxrwxrwx 1 tazmeen tazmeen 13 Sep 13 09:34 file_soft.txt -> file_link.txt  
-rw-rw-r-- 1 tazmeen tazmeen 9 Sep 13 09:42 main.txt  
lrwxrwxrwx 1 tazmeen tazmeen 8 Sep 13 09:42 soft.txt -> main.txt  
-rw-rw-r-- 1 tazmeen tazmeen 13K Sep 13 10:05 temp.txt  
-rwxrwx---x 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt  
(base) tazmeen@afroz:~/Desktop/main$
```

Absolute mode : Numeric mode

Question : -r-x-w-r--

524 answer

	Read	Write	Execute
Owner	1	0	1
Group	0	1	0
Others	1	0	0

Owner = 5

Group = 2

Others = 4

```
(base) tazmeen@afroz:~/Desktop/main$ chmod 524 test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 36K
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 13 09:43 blankdir
-rw-rw-r-- 2 tazmeen tazmeen 11 Sep 13 09:45 blankfile
lrwxrwxrwx 1 tazmeen tazmeen 8 Sep 13 09:44 dirpointer -> blankdir
-rw-rw-r-- 2 tazmeen tazmeen 11 Sep 13 09:45 filepointer
lrwxrwxrwx 1 tazmeen tazmeen 13 Sep 13 09:34 file_soft.txt -> file_link.txt
-rw-rw-r-- 1 tazmeen tazmeen 9 Sep 13 09:42 main.txt
-r-x-w-r-- 1 tazmeen tazmeen 0 Sep 20 08:24 p.txt
lrwxrwxrwx 1 tazmeen tazmeen 8 Sep 13 09:42 soft.txt -> main.txt
-rw-rw-r-- 1 tazmeen tazmeen 13K Sep 13 10:05 temp.txt
-r-x-w-r-- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

```
(base) tazmeen@afroz:/home$ ls -lh
total 4.0K
drwxr-x--- 27 tazmeen tazmeen 4.0K Sep 20 08:16 tazmeen
(base) tazmeen@afroz:/home$
```

Binary : 750

ls -l

```
(base) tazmeen@afroz:~/Desktop/main$ ls -l test.txt
-r-x-w-r-- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod 764 test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l test.txt
-rwxrw-r-- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

take all permissions

```
(base) tazmeen@afroz:~/Desktop/main$ chmod 000 test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l test.txt
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ cat test.txt
cat: test.txt: Permission denied
(base) tazmeen@afroz:~/Desktop/main$ sudo cat test.txt
[sudo] password for tazmeen:
Tazmeen Afroz
(base) tazmeen@afroz:~/Desktop/main$
```

```
(base) tazmeen@afroz:~/Desktop/main$ chmod 540 test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-r-xr----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

Symbolic Mode

+ operator for adding permissions

```
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-r-xr----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod +x test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-r-xr-x--x 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```


Permission to Others

execute permission

```
(base) tazmeen@afroz:~/Desktop/main$ chmod 000 test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 8.0K
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod o+x test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 8.0K
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
-----x 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
```

write permission

```
(base) tazmeen@afroz:~/Desktop/main$ chmod o+w test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-----wx 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

execute & write permission

```
(base) tazmeen@afroz:~/Desktop/main$ chmod 000 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod o+wx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-----wx 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
```

read ,write & execute permission

```
(base) tazmeen@afroz:~/Desktop/main$ chmod 000 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod o+rwx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-----rwx 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
```

- operator : for taking permissions

```
(base) tazmeen@afroz:~/Desktop/main$ chmod o-rx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-----w- 1 tazmeen tazmeen  14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod o-rwx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen  14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

adding permission this -r-x-w-r--

```
(base) tazmeen@afroz:~/Desktop/main$ chmod u+rx test.txt && chmod g+w test.txt &
& chmod o+r test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-r-x-w-r-- 1 tazmeen tazmeen  14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

ug=wx give write and execute permission to ug

```
(base) tazmeen@afroz:~/Desktop/main$ chmod ug=rwx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-rwxrwxr-- 1 tazmeen tazmeen  14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

give all permissions to all

```
(base) tazmeen@afroz:~/Desktop/main$ chmod ugo+rwx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-rwxrwxrwx 1 tazmeen tazmeen  14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

take all permissions from all

```
(base) tazmeen@afroz:~/Desktop/main$ chmod ugo-rwx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen  14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```


give all permissions to all

```
(base) tazmeen@afroz:~/Desktop/main$ chmod a+rwx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
-rwxrwxrwx 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
```

take all permissions from all

```
(base) tazmeen@afroz:~/Desktop/main$ chmod a-rwx test.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -l
total 8
drwxrwxr-x 2 tazmeen tazmeen 4096 Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
```

directory permissions

take all permissions from abc directory

```
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ mkdir abc
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 12K
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 09:28 abc
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod a-rwx abc
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 12K
d----- 2 tazmeen tazmeen 4.0K Sep 20 09:28 abc
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

user write permission to abc dir

```
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$ chmod u+w abc
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 12K
d-w----- 2 tazmeen tazmeen 4.0K Sep 20 09:28 abc
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

all user permissions to abc dir

```
(base) tazmeen@afroz:~/Desktop/main$ chmod u+rwx abc
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 12K
drwx----- 2 tazmeen tazmeen 4.0K Sep 20 09:28 abc
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

all permission from abc directory

```
(base) tazmeen@afroz:~/Desktop/main$ chmod u-rwx abc
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 12K
d----- 2 tazmeen tazmeen 4.0K Sep 20 09:28 abc
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

move to abc directory through root

```
-bash: cd: /home/Desktop/main/abc: No such file or directory
root@afroz:~# /home/tazmeen/Desktop/main
-bash: /home/tazmeen/Desktop/main: Is a directory
root@afroz:~# /home/tazmeen/Desktop/main/abc
-bash: /home/tazmeen/Desktop/main/abc: Is a directory
root@afroz:~# cd /home/tazmeen/Desktop/main/abc
root@afroz:/home/tazmeen/Desktop/main/abc#
```

execute permission to go in the abc directory

```
logout
(base) tazmeen@afroz:~/Desktop/main$ chmod u+x abc
(base) tazmeen@afroz:~/Desktop/main$ cd abc
(base) tazmeen@afroz:~/Desktop/main/abc$
```

```
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 12K
d--x----- 3 tazmeen tazmeen 4.0K Sep 20 09:48 abc
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```

write permission not given

```

(base) tazmeen@afroz:~/Desktop/main$ chmod u+x abc
(base) tazmeen@afroz:~/Desktop/main$ cd abc
(base) tazmeen@afroz:~/Desktop/main/abc$ mkdir abc1
mkdir: cannot create directory 'abc1': Permission denied
(base) tazmeen@afroz:~/Desktop/main/abc$

```

write permission to create abc1 folder inside

```

(base) tazmeen@afroz:~/Desktop/main/abc$ cd ..
(base) tazmeen@afroz:~/Desktop/main$ chmod u+w abc
(base) tazmeen@afroz:~/Desktop/main$ cd abc
(base) tazmeen@afroz:~/Desktop/main/abc$ mkdir ab1
(base) tazmeen@afroz:~/Desktop/main/abc$

```

```

(base) tazmeen@afroz:~/Desktop/main/abc$ mkdir ab1
(base) tazmeen@afroz:~/Desktop/main/abc$ touch abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc$ cd ab1
(base) tazmeen@afroz:~/Desktop/main/abc/ab1$ mkdir abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc/ab1$ ls
abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc/ab1$

```

give the read permissions to abc folder for ls

```

(base) tazmeen@afroz:~/Desktop/main/abc$ chmod u+r ab1
(base) tazmeen@afroz:~/Desktop/main/abc$ cd ..
(base) tazmeen@afroz:~/Desktop/main$ chmod u+r abc
(base) tazmeen@afroz:~/Desktop/main$ cd abc
(base) tazmeen@afroz:~/Desktop/main/abc$ ls
ab1  abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc$

```

```

(base) tazmeen@afroz:~/Desktop/main/abc$ cd ..
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 12K
drwx----- 3 tazmeen tazmeen 4.0K Sep 20 09:48 abc
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 08:48 blankdir
----- 1 tazmeen tazmeen 14 Sep 20 08:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$

```



```
(base) tazmeen@afroz:~/Desktop/main/abc$ chmod g+rx ab1
(base) tazmeen@afroz:~/Desktop/main/abc$ ls -lh
total 4.0K
d---rwx--- 3 tazmeen tazmeen 4.0K Sep 20 09:52 ab1
-rw-rw-r-- 1 tazmeen tazmeen  0 Sep 20 09:48 abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc$ chmod o+rx ab1
(base) tazmeen@afroz:~/Desktop/main/abc$ ls -lh
total 4.0K
d---rwxrwx 3 tazmeen tazmeen 4.0K Sep 20 09:52 ab1
-rw-rw-r-- 1 tazmeen tazmeen  0 Sep 20 09:48 abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc$
```

give user permission to ab1
 give other permission to ab1
 take user permission from ab1

```
(base) tazmeen@afroz:~/Desktop/main/abc$ chmod u+rx ab1
(base) tazmeen@afroz:~/Desktop/main/abc$ ls -lh
total 4.0K
drwx----- 3 tazmeen tazmeen 4.0K Sep 20 09:52 ab1
-rw-rw-r-- 1 tazmeen tazmeen  0 Sep 20 09:48 abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc$ chmod o+rx ab1
(base) tazmeen@afroz:~/Desktop/main/abc$ ls -lh
total 4.0K
drwx--rwx 3 tazmeen tazmeen 4.0K Sep 20 09:52 ab1
-rw-rw-r-- 1 tazmeen tazmeen  0 Sep 20 09:48 abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc$ chmod u-rwx ab1
(base) tazmeen@afroz:~/Desktop/main/abc$ ls -lh
total 4.0K
d-----rwx 3 tazmeen tazmeen 4.0K Sep 20 09:52 ab1
-rw-rw-r-- 1 tazmeen tazmeen  0 Sep 20 09:48 abc.txt
(base) tazmeen@afroz:~/Desktop/main/abc$
```

changing ownership

```
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 4.0K
drwxrwxr-x 2 tazmeen tazmeen 4.0K Sep 20 10:04 abc
-rw-rw-r-- 1 tazmeen tazmeen  0 Sep 20 10:04 file.txt
(base) tazmeen@afroz:~/Desktop/main$ chown test abc
chown: invalid user: 'test'
(base) tazmeen@afroz:~/Desktop/main$ chown root file.txt
chown: changing ownership of 'file.txt': Operation not permitted
(base) tazmeen@afroz:~/Desktop/main$ sudo chown root abc
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 4.0K
drwxrwxr-x 2 root tazmeen 4.0K Sep 20 10:04 abc
-rw-rw-r-- 1 tazmeen tazmeen  0 Sep 20 10:04 file.txt
(base) tazmeen@afroz:~/Desktop/main$
```

```
-rw-rw-r-- 1 tazmeen tazmeen 0 Sep 20 10:04 file.txt
(base) tazmeen@afroz:~/Desktop/main$ sudo chown root file.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 4.0K
drwxrwxr-x 2 root tazmeen 4.0K Sep 20 10:04 abc
-rw-rw-r-- 1 root tazmeen 0 Sep 20 10:04 file.txt
(base) tazmeen@afroz:~/Desktop/main$
```

change group users

```
-rw-rw-r-- 1 root tazmeen 0 Sep 20 10:04 file.txt
(base) tazmeen@afroz:~/Desktop/main$ sudo chown root:root file.txt
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 4.0K
drwxrwxr-x 2 root tazmeen 4.0K Sep 20 10:04 abc
-rw-rw-r-- 1 root root 0 Sep 20 10:04 file.txt
(base) tazmeen@afroz:~/Desktop/main$
```

```
(base) tazmeen@afroz:~/Desktop/main$ ls -lh
total 4.0K
drwxrwxr-x 2 root tazmeen 4.0K Sep 20 10:04 abc
-rw-rw-r-- 1 root root 0 Sep 20 10:04 file.txt
(base) tazmeen@afroz:~/Desktop/main$ cat > file.txt
bash: file.txt: Permission denied
(base) tazmeen@afroz:~/Desktop/main$
```

Write a C program code in vim editor

```
#include <stdio.h>
int main(){
    printf("Hello world");
    return 0;
}
```

compile the file through gcc
-o for making it executable

```
(base) tazmeen@afroz:~/Desktop/main$ vim first.c
(base) tazmeen@afroz:~/Desktop/main$ cat first.c
#include <stdio.h>
int main(){
    printf("Hello world");
    return 0;
}
(base) tazmeen@afroz:~/Desktop/main$ gcc first.c
(base) tazmeen@afroz:~/Desktop/main$ ./a.out
Hello world(base) tazmeen@afroz:~/Desktop/main$ gcc first.c -o first
(base) tazmeen@afroz:~/Desktop/main$ ./first
Hello world(base) tazmeen@afroz:~/Desktop/main$
```


write the code

```
(base) tazmeen@afroz:~/Desktop/main$ gedit first.c
^C
(base) tazmeen@afroz:~/Desktop/main$ cat first.c
#include <stdio.h>
#include <stdlib.h>
#include <cstdlib.h>

int main(){
    printf("\nThis is C Programming in Ubuntu\n\n");
    printf("\nHere in this program we will run linux commands\n\n");
    system("ls -l");
    return 0;
}
(base) tazmeen@afroz:~/Desktop/main$
```

```
(base) tazmeen@afroz:~/Desktop/main$ gcc first.c -o first
(base) tazmeen@afroz:~/Desktop/main$ ./first
```

This is C Programming in Ubuntu

Here in this program we will run linux commands

```
total 80
drwxrwxr-x 2 root    tazmeen  4096 Sep 20 10:04 abc
-rwxrwxr-x 1 tazmeen tazmeen 15960 Sep 20 10:23 a.out
-rw-rw-r-- 1 root    root      0 Sep 20 10:04 file.txt
-rwxrwxr-x 1 tazmeen tazmeen 16000 Sep 20 10:34 first
-rw-rw-r-- 1 tazmeen tazmeen  213 Sep 20 10:34 first.c
-rwxrwxr-x 1 tazmeen tazmeen 15960 Sep 20 10:17 test
-rw-rw-r-- 1 tazmeen tazmeen   66 Sep 20 10:17 test.c
-rwxrwxr-x 1 tazmeen tazmeen 15960 Sep 20 10:17 test.o
-rw-rw-r-- 1 tazmeen tazmeen   12 Sep 20 10:16 test.txt
(base) tazmeen@afroz:~/Desktop/main$
```