OS

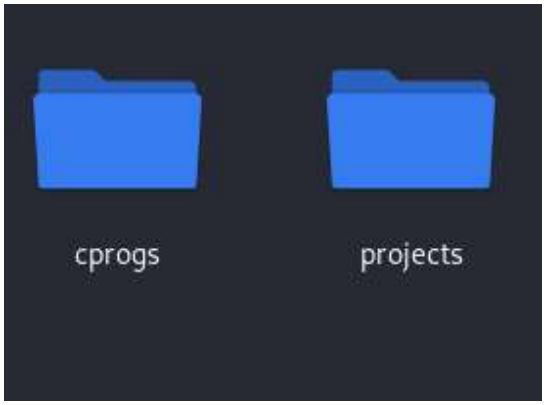
Assignment 1

Day 2 cp, rm, mv, cat, file, ls, umask, chmod, touch, ln, find Lab

Assignments:

1. Perform the following:
a) Create a directory structure in your home directory (cse, two subdirectories cprogs and projects under cse) while being in your home directory.

$Cd Desktop
$Mkdir cse
$Ls
$Cd cse
$Mkdir cprogs
$Mkdir projects



b) Change to the directory projects.

cd Desktop/CSE/projects

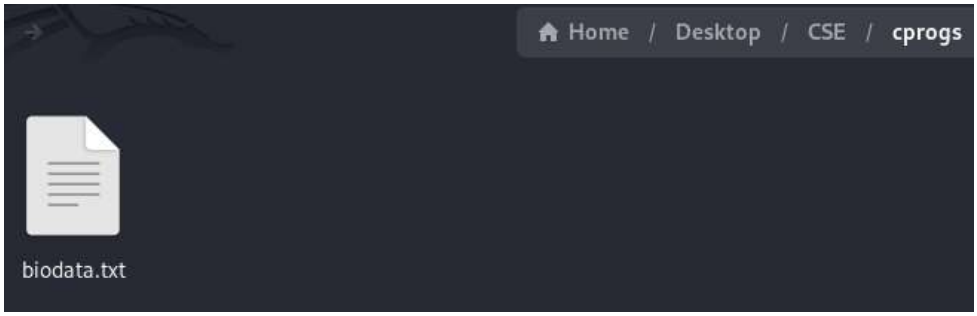
c) Create a file called biodata and store your name, age, sex, and address in it.
└─$ cat > biodata.txt
Name: Nilanjan Dey
Age: 20
Sex: MALE
Address: Shyambazar
^Z

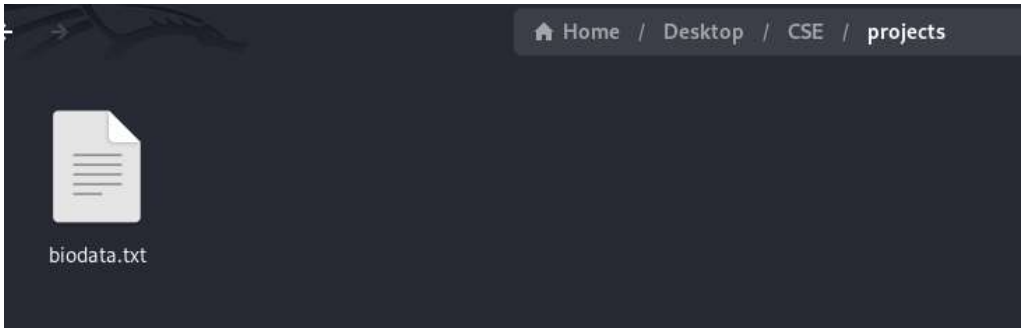
$cat biodata.txt

```
┌──(cyberblue㉿CyberBlue)-[~/Desktop/CSE/projects]
└─$ cat biodata.txt
Name: Nilanjan Dey
Age: 20
Sex: MALE
Address: Shyambazar, Kolkata:- 700004
```

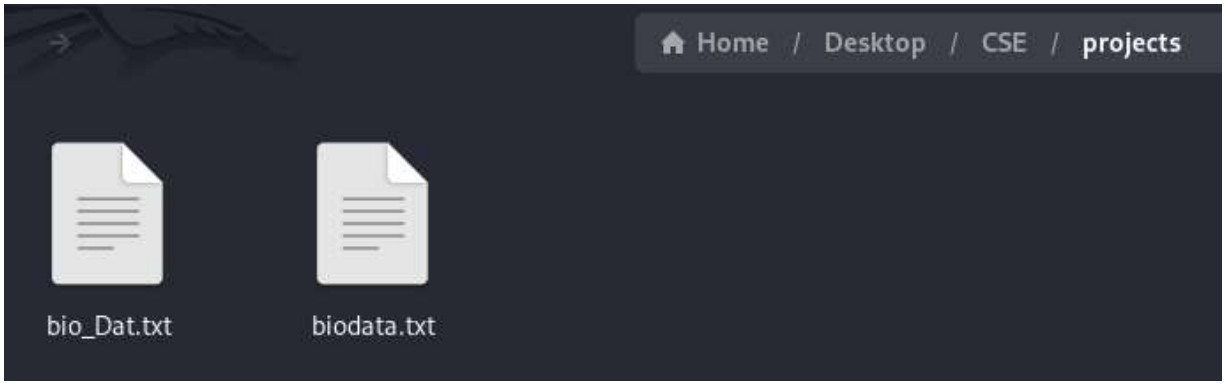
d) Make a copy of the file biodata into another file text within the directory cprogs.

$Cp file_name directory





e) Move the file text from cprogs to projects.
$mv biodata.txt bio_Dat.txt
$mv bioDat.txt /home/cyberblue/Desktop/CSE/projects



f) Combine the contents of the file biodata and text into another file datatext.
cat biodata.txt > biodata2.txt

```
┌──(cyberblue㉿CyberBlue)-[~/Desktop/CSE/projects]
└─$ cat biodata2.txt
Name: Nilanjan Dey
Age: 20
Sex: MALE
Address: Shyambazar, Kolkata:- 700004
```

g) Rename the file text to newtext.
mv biodata2.txt mydata.txt

```
┌──(cyberblue㉿CyberBlue)-[~/Desktop/CSE/projects]
└─$ cat mydata.txt
]Name: Nilanjan Dey
Age: 20
Sex: MALE
Address: Shyambazar, Kolkata:- 700004
```

h) Change the permissions of the file newtext to rw-rw-rw-.
$ls -l
$chmod 666 mydata.txt
$ls -l

```
┌──(cyberblue㉿CyberBlue)-[~/Desktop/CSE/projects]
└─$ ls -l
total 12
-rw-rw-r-- 1 cyberblue cyberblue 75 Aug  4 02:28 bio_Dat.txt
-rw-rw-r-- 1 cyberblue cyberblue 75 Aug  4 02:20 biodata.txt
-rw-rw-rw- 1 cyberblue cyberblue 75 Aug  4 10:50 mydata.txt
```

i) List all filenames starting with ‘a’ or ‘b’ or ‘m’.
$ls a*
$ls b*
$ls m*

```
┌──(cyberblue㉿CyberBlue)-[~/Desktop/CSE/projects]
└─$ ls a*
ls: cannot access 'a*': No such file or directory

┌──(cyberblue㉿CyberBlue)-[~/Desktop/CSE/projects]
└─$ ls m*
mydata.txt

┌──(cyberblue㉿CyberBlue)-[~/Desktop/CSE/projects]
└─$ ls b*
bio_Dat.txt  biodata.txt
```

j) List all filenames that end with a digit.

$ls *[0-9].*

k) List all files in the current directory whose second character is a digit.

$ls ?[0-9]*

l) Use command(s) to create a directory in your home directory called KeepOut whose contents can be read only by you.

$cd Desktop

$mkdir keepOut

$chmod 444 keepOut