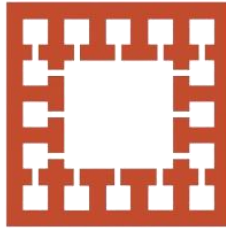


VARENDRA UNIVERSITY



বরেন্দ্র
বিশ্ববিদ্যালয়

Lab Report-3

Monday, 24 Oct. 22

Submitted Date: 24 Oct. 22

COURSE TITLE : Operating System And System Programming Lab

COURSE-CODE: CSE-332

SUBMITTED BY

Ahmed Mostakim Fahim

ID: 201311006

SEMESTER: 9th

SECTION: A

BATCH:23RD

DEPARTMENT OF CSE, VARENDRA UNIVERSITY

SUBMITTED TO

Mst. Rashida Akhtar

Assistant Professor

Computer Science and Engineering

rashida@vu.edu.bd

Ayesha Akter Lima

Lecturer

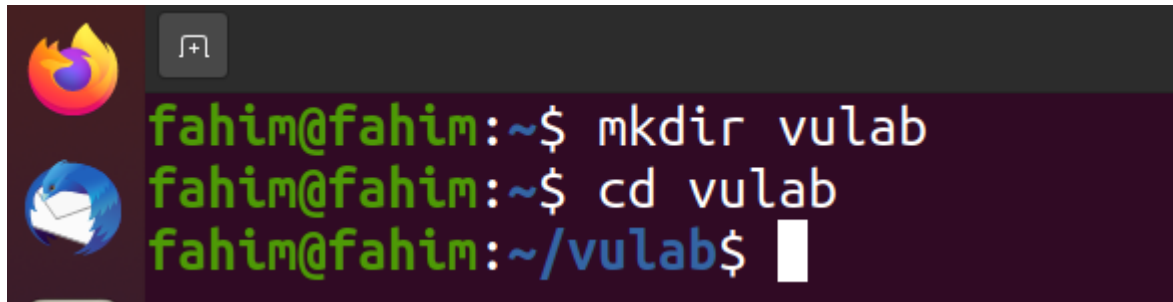
Computer Science and Engineering

lima@vu.edu.bd

Experiment: Based On Midterm Lab Test

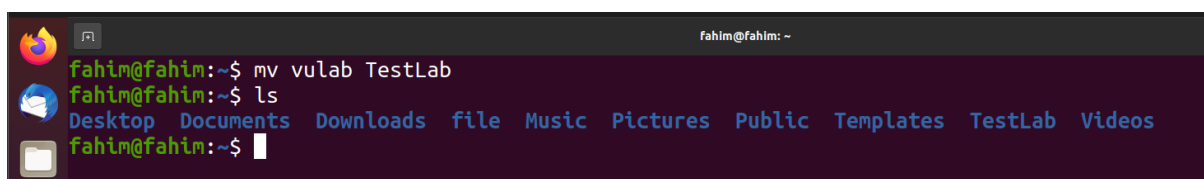
Problem:

1. Create a directory name vulab under the home directory make it present working directory.



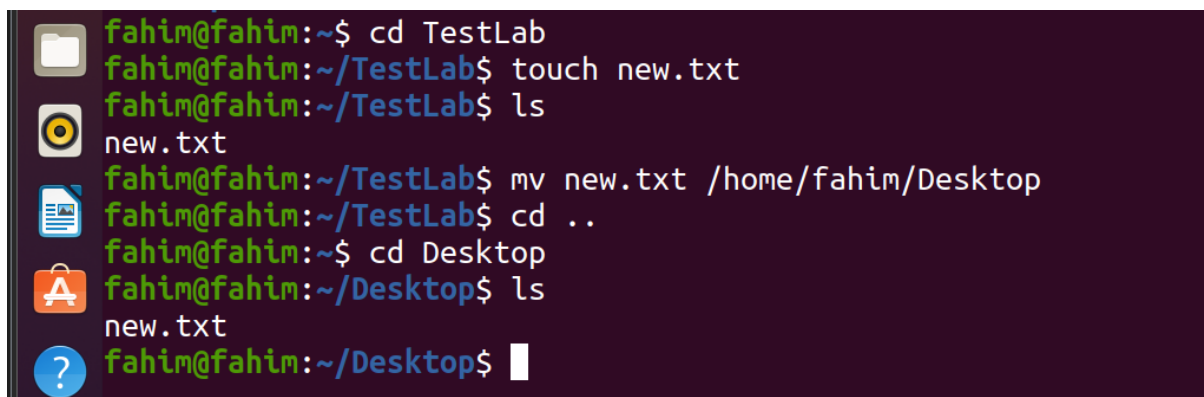
```
fahim@fahim:~$ mkdir vulab
fahim@fahim:~$ cd vulab
fahim@fahim:~/vulab$
```

2. Copy and rename the vulab directory as TestLab.



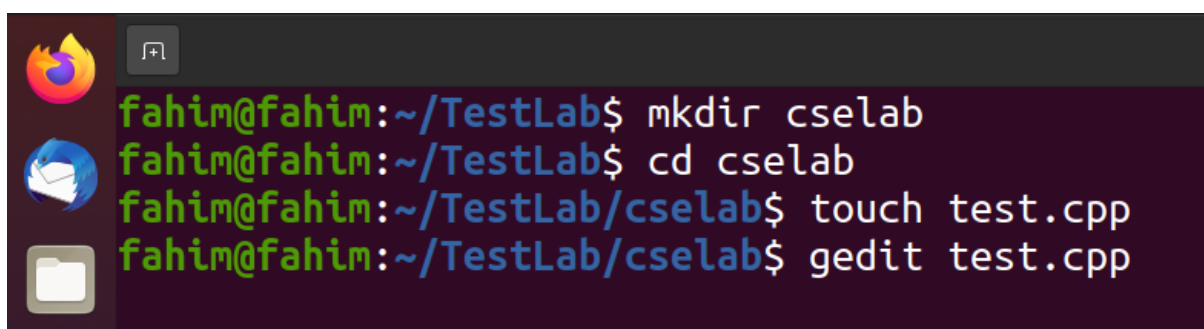
```
fahim@fahim:~$ mv vulab TestLab
fahim@fahim:~$ ls
Desktop Documents Downloads file Music Pictures Public Templates TestLab Videos
fahim@fahim:~$
```

3. Create a file new.txt named under TestLab and move the file new.txt from TestLab to Desktop directory



```
fahim@fahim:~$ cd TestLab
fahim@fahim:~/TestLab$ touch new.txt
fahim@fahim:~/TestLab$ ls
new.txt
fahim@fahim:~/TestLab$ mv new.txt /home/fahim/Desktop
fahim@fahim:~/TestLab$ cd ..
fahim@fahim:~$ cd Desktop
fahim@fahim:~/Desktop$ ls
new.txt
fahim@fahim:~/Desktop$
```

4. Create a directory named cselab under TestLab. Write a C program test.cpp under the directory cselab then compile and run the program by creating the object of test.cpp.



```
fahim@fahim:~/TestLab$ mkdir cselab
fahim@fahim:~/TestLab$ cd cselab
fahim@fahim:~/TestLab/cselab$ touch test.cpp
fahim@fahim:~/TestLab/cselab$ gedit test.cpp
```

```
fahim@fahim: ~/TestLab/cselab
fahim@fahim:~/TestLab/cselab$ g++ test.cpp
fahim@fahim:~/TestLab/cselab$ ./a.out
Enter number of rows: 5
      *
    * * *
  * * * * *
* * * * * *
* * * * * * *
```

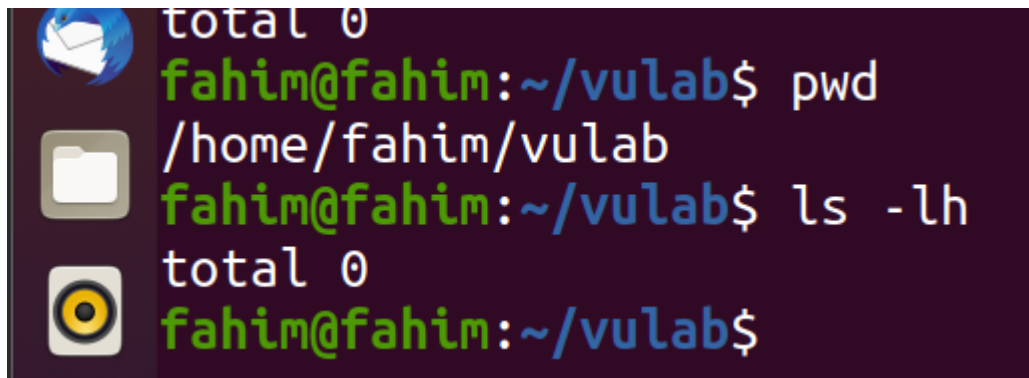
5. In a directory "TestLab " has three .c files and two .txt files. Now only copy the .c files from TestLab to cselab

```
fahim@fahim:~/TestLab/cselab$ cd ..
fahim@fahim:~/TestLab$ touch file1.c
fahim@fahim:~/TestLab$ touch file2.c
fahim@fahim:~/TestLab$ touch file3.c
fahim@fahim:~/TestLab$ touch file.txt
fahim@fahim:~/TestLab$ touch file2.txt
fahim@fahim:~/TestLab$ cp *.c cselab
fahim@fahim:~/TestLab$ cd cselab
fahim@fahim:~/TestLab/cselab$ ls
a.out file1.c file2.c file3.c test.cpp
fahim@fahim:~/TestLab/cselab$
```

6. Write the command to show how many disk is used by "TestLab " and "cselab".

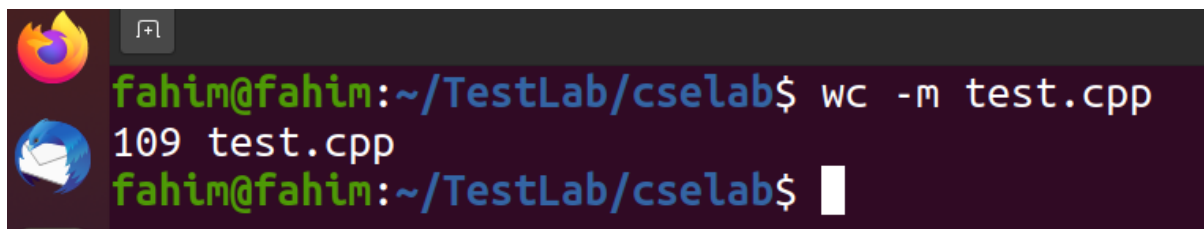
```
fahim@fahim:~/TestLab/cselab$ du -h
28K .
fahim@fahim:~/TestLab/cselab$ cd ..
fahim@fahim:~/TestLab$ du -h
28K ./cselab
32K .
fahim@fahim:~/TestLab$
```

7. Write the command to show the detailed list of vulab.



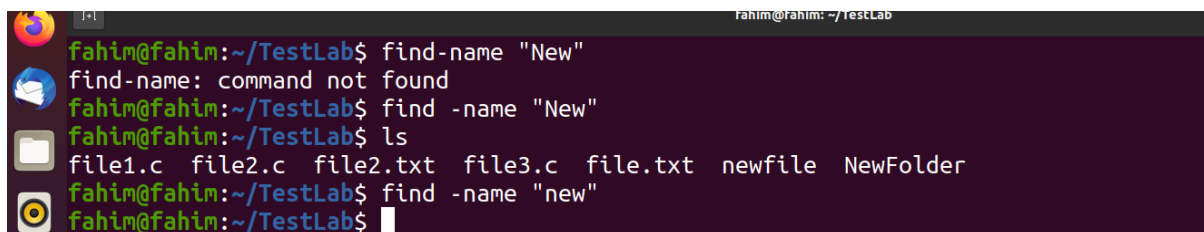
```
total 0
fahim@fahim:~/vulab$ pwd
/home/fahim/vulab
fahim@fahim:~/vulab$ ls -lh
total 0
fahim@fahim:~/vulab$
```

8. In a file named "test.cpp", the content is "Hello World". Write the command to show how many characters are in test.cpp file



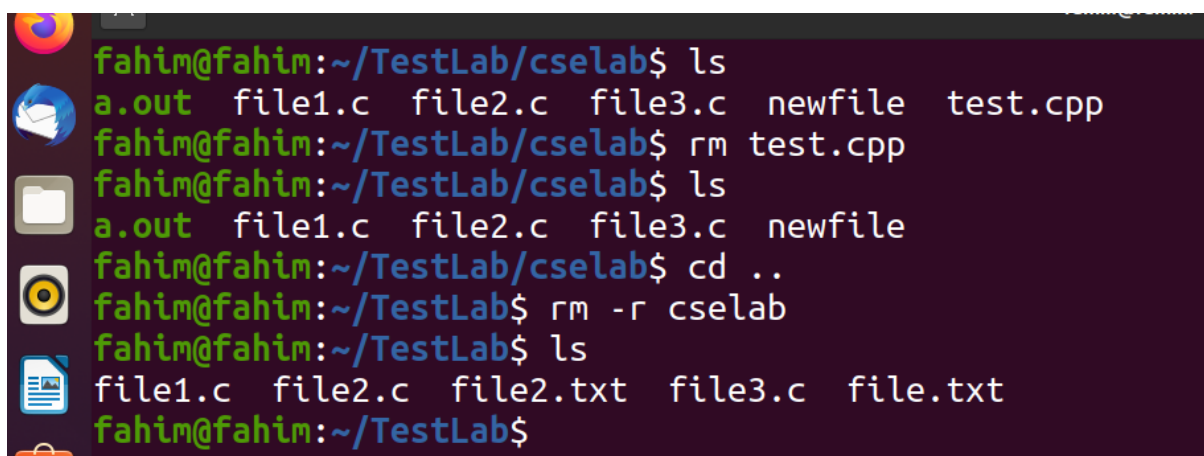
```
fahim@fahim:~/TestLab/cselab$ wc -m test.cpp
109 test.cpp
fahim@fahim:~/TestLab/cselab$
```

9. Find a file name that starts with the name "new".



```
fahim@fahim:~/TestLab$ find -name "New"
find-name: command not found
fahim@fahim:~/TestLab$ find -name "New"
fahim@fahim:~/TestLab$ ls
file1.c file2.c file2.txt file3.c file.txt newfile NewFolder
fahim@fahim:~/TestLab$ find -name "new"
fahim@fahim:~/TestLab$
```

10. Remove the "test.cpp" and cselab directory.



```
fahim@fahim:~/TestLab/cselab$ ls
a.out file1.c file2.c file3.c newfile test.cpp
fahim@fahim:~/TestLab/cselab$ rm test.cpp
fahim@fahim:~/TestLab/cselab$ ls
a.out file1.c file2.c file3.c newfile
fahim@fahim:~/TestLab/cselab$ cd ..
fahim@fahim:~/TestLab$ rm -r cselab
fahim@fahim:~/TestLab$ ls
file1.c file2.c file2.txt file3.c file.txt
fahim@fahim:~/TestLab$
```