CSE321

OPERATING SYSTEMS

LAB ASSIGNMENT 01 & 02

SHAIANE PREMA BAROI

ID: 21101098

SECTION: 07

LINUX SHELL COMMANDS

TASK A

#CREATING FOUR FILES AND TWO DIRECTORIES

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ pwd

/home/shaianebaroi/Desktop/LAB

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ touch 21101098_1.txt

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ touch 21101098_2.txt

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ touch 21101098_3.txt

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ touch 21101098_4.txt

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ mkdir Shaiane1

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ mkdir Shaiane2

#MOVING TWO FILES TO THE DIRECTORY

shaianebaroi@shaianebaroi:~/Desktop/LAB\$

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ mv 21101098_1.txt
Shaiane1

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ mv 21101098_2.txt
Shaiane1

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ mv 21101098_3.txt
Shaiane1

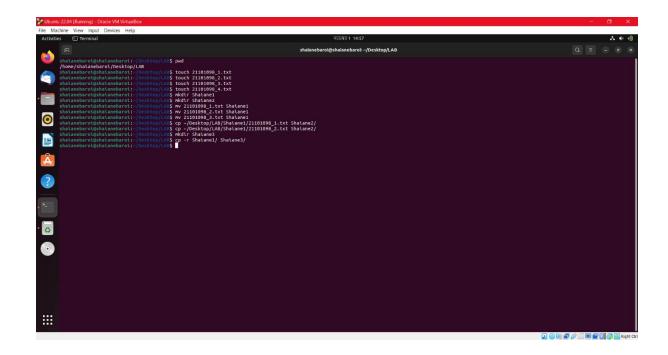
shaianebaroi@shaianebaroi:~/Desktop/LAB\$

#COPYING TWO FILES TO THE DIRECTORY

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ cp
~/Desktop/LAB/Shaiane1/21101098_1.txt Shaiane2/
shaianebaroi@shaianebaroi:~/Desktop/LAB\$ cp
~/Desktop/LAB/Shaiane1/21101098_2.txt Shaiane2/
shaianebaroi@shaianebaroi:~/Desktop/LAB\$

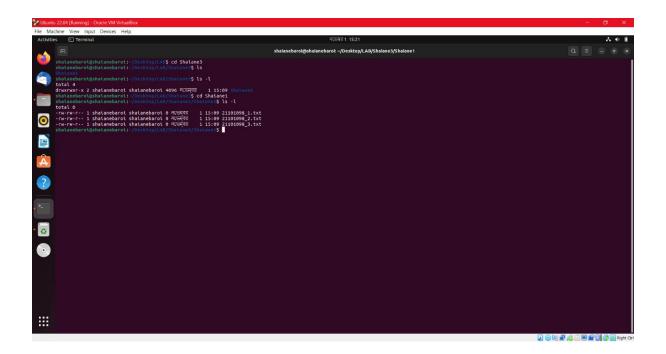
#CREATING ANOTHER DIRECTORY AND COPYING ONE DIRECTORY TO THE NEWLY CREATED OTHER DIRECTORY

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ mkdir Shaiane3
shaianebaroi@shaianebaroi:~/Desktop/LAB\$ cp -r Shaiane1/
Shaiane3/
shaianebaroi@shaianebaroi:~/Desktop/LAB\$



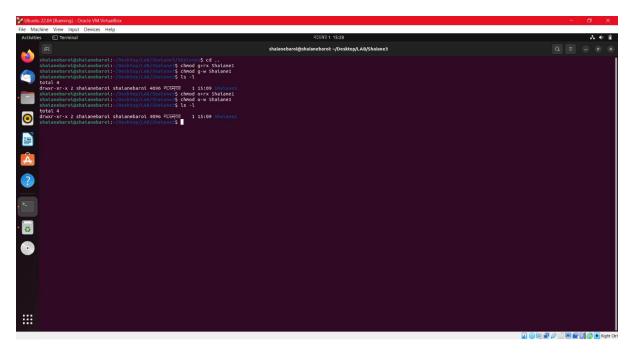
#CHECKING PERMISSIONS OF THE DIRECTORY

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ cd Shaiane3 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ ls Shaiane1 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ ls -1 total 4 drwxrwxr-x 2 shaianebaroi shaianebaroi 4096 নভের 1 15:09 Shaiane1 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ cd Shaiane1 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3/Shaiane1\$ ls -1 total 0 -rw-rw-r-- 1 shaianebaroi shaianebaroi 0 নভেরর 1 15:09 21101098 1.txt -rw-rw-r-- 1 shaianebaroi shaianebaroi 0 নভিইর 1 15:09 21101098 2.txt -rw-rw-r-- 1 shaianebaroi shaianebaroi 0 বভের 1 15:09 21101098_3.txt shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3/Shaiane1\$



#CHANGING PERMISSIONS OF THE DIRECTORY
[SINCE THERE IS ONLY ONE DIRECTORY IN THE SHAIANE3 DIRECTORY
AND NO OTHER FILES, SO ONLY THE PERMISSIONS OF THE SHAIANE1
DIRECTORY HAVE BEEN CHANGED]

shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3/Shaiane1\$ cd .. shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ chmod q+rx Shaiane1 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ chmod g-w Shaiane1 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ ls -1 total 4 drwxr-xr-x 2 shaianebaroi shaianebaroi 4096 নভের 1 15:09 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ chmod o+rx shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ chmod o-w Shaiane1 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ ls -1 total 4 drwxr-xr-x 2 shaianebaroi shaianebaroi 4096 **নভের**র 1 15:09 Shaiane1 shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$

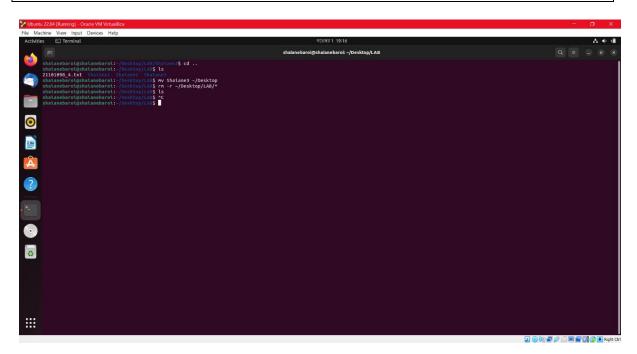


#RETURNING AND PRINTING

shaianebaroi@shaianebaroi:~/Desktop/LAB/Shaiane3\$ cd ..
shaianebaroi@shaianebaroi:~/Desktop/LAB\$ ls
21101098 4.txt Shaiane1 Shaiane2 Shaiane3

#MOVING DIRECTORY AND DELETING THE WORKING DIRECTORY

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ mv Shaiane3
~/Desktop
shaianebaroi@shaianebaroi:~/Desktop/LAB\$ rm -r
~/Desktop/LAB/*
shaianebaroi@shaianebaroi:~/Desktop/LAB\$ ls



TASK B

#CREATING A TEXT FILE WITH COURSE INFORMATION

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ cat > courses.txt

Course1

Course ID: CSE321

Course Name: Operating Systems

Course Section: 07

Course Instructor: BDH

Course2

Course ID: CSE360

Course Name: Computer Interfacing

Course Section: 01

Course Instructor: KHR

Course3

Course ID: CSE471

Course Name: System Analysis and Design

Course Section: 04

Course Instructor: MIH

Course4

Course ID: SOC101

Course Name: Introduction to Sociology

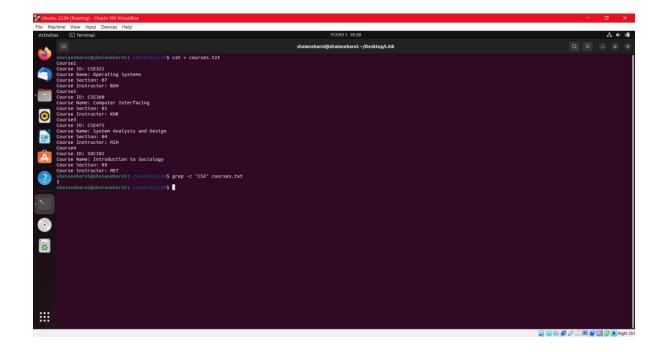
Course Section: 09

Course Instructor: MET

shaianebaroi@shaianebaroi:~/Desktop/LAB\$

#COUNTING THE NUMBER OF "CSE" IN THE TEXT FILE

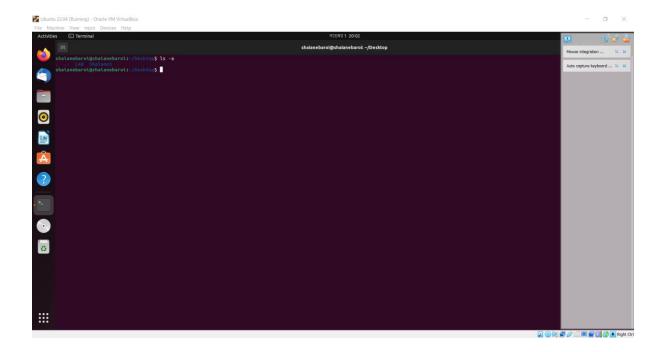
shaianebaroi@shaianebaroi:~/Desktop/LAB\$ grep -c "CSE"
courses.txt



TASK_C

#SHOWING ALL HIDDEN FILES

shaianebaroi@shaianebaroi:~/Desktop\$ ls -a



TASK D

#CREATING A TEXT FILE WITH COURSE INFORMATION (20 LINES)

shaianebaroi@shaianebaroi:~/Desktop/LAB\$ cat > courses.txt

Course1

Course ID: CSE321

Course Name: Operating Systems

Course Section: 07

Course Instructor: BDH

Course2

Course ID: CSE360

Course Name: Computer Interfacing

Course Section: 01

Course Instructor: KHR

Course3

Course ID: CSE471

Course Name: System Analysis and Design

Course Section: 04

Course Instructor: MIH

Course4

Course ID: SOC101

Course Name: Introduction to Sociology

Course Section: 09

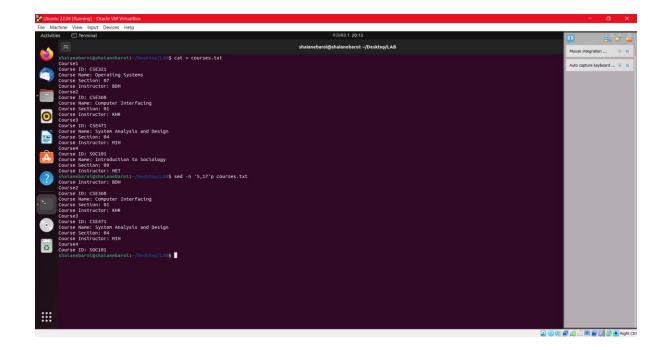
Course Instructor: MET

shaianebaroi@shaianebaroi:~/Desktop/LAB\$

#PRINTING LINES 5 - 17

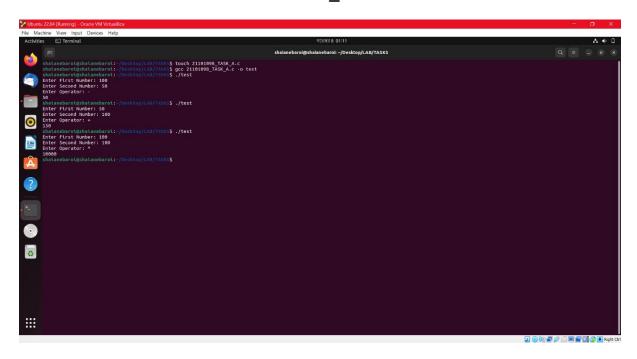
shaianebaroi@shaianebaroi:~/Desktop/LAB\$ sed -n '5,17'p

courses.txt

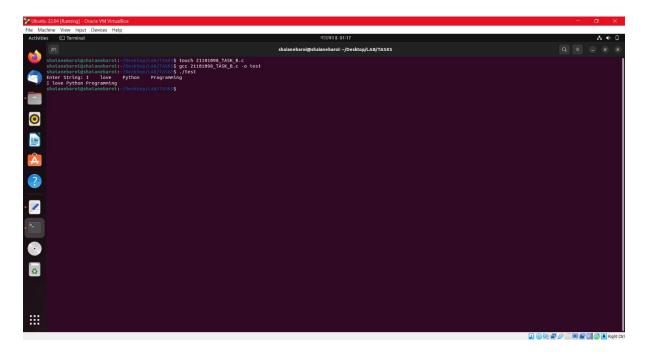


C Programming

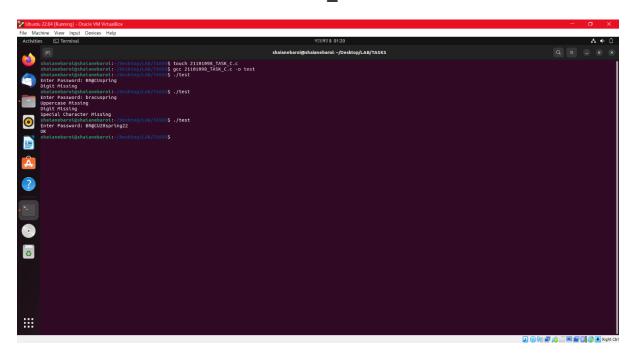
TASK_A



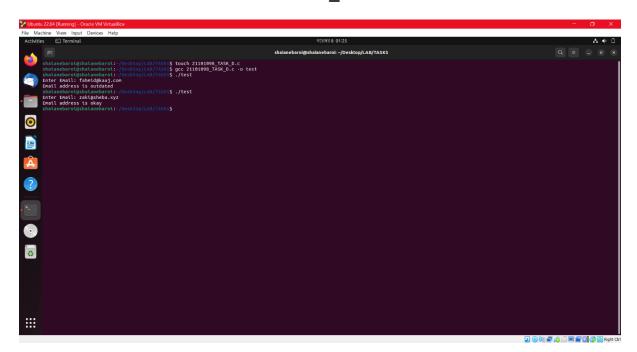
TASK_B



TASK_C



TASK_D



TASK_E

