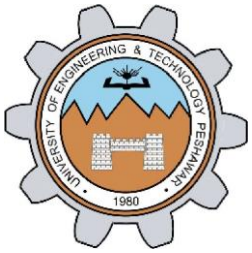
LAB #02
SHELL Programming (Part I)



Spring 2023

CSE-204L Operating Systems Lab

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Registration No.: 21PWCSE2028

Section: C

"On my honor, as a student of the University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work"

Submitted to:

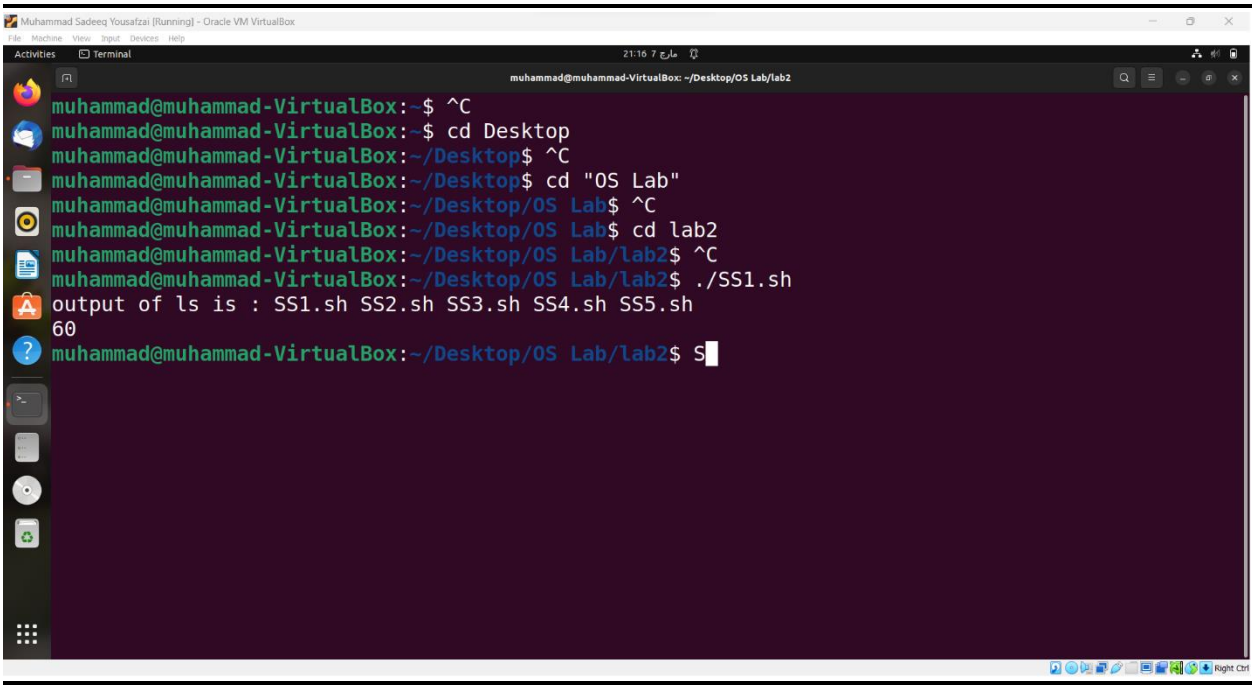
Engr. Madiha Sher

(7 Mar 2023)

Department of Computer systems engineering
University of Engineering and Technology,
Peshawar

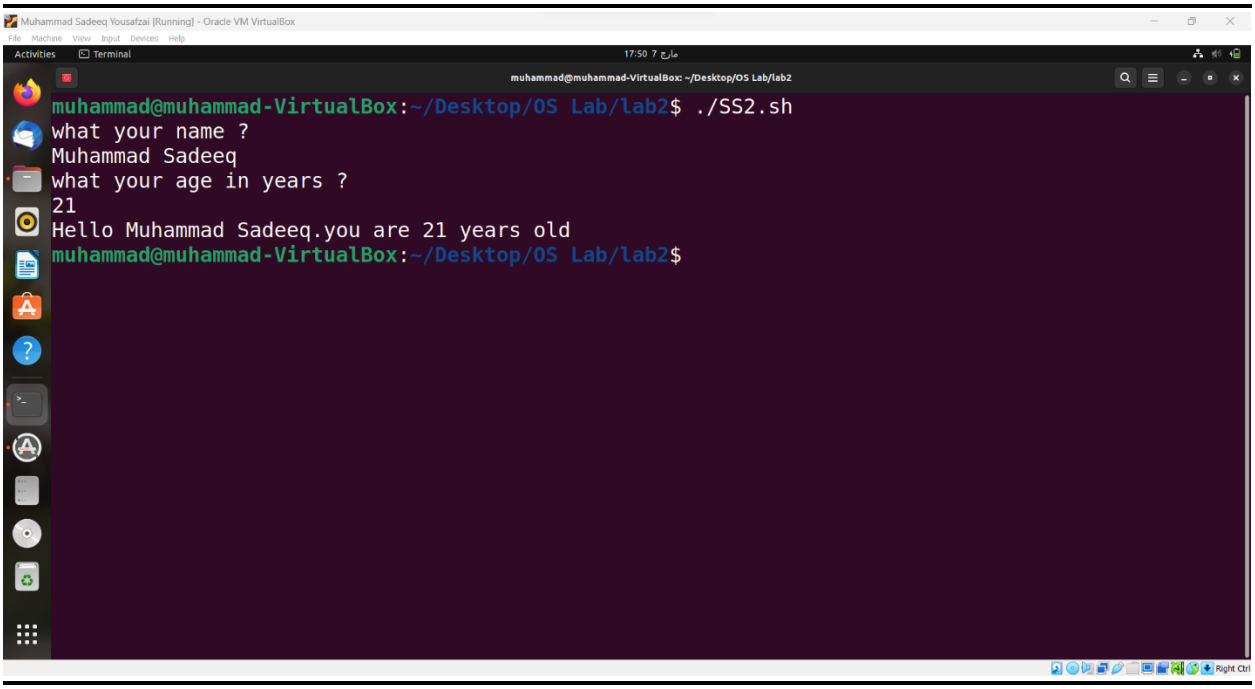
Task 1


Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Text Editor
Open
SS1.sh
~/Desktop/OS Lab/lab2
Save
1
2 echo output of ls is : `ls`
3 num1=30
4 num2=30
5 sum=`expr $num1 + $num2`
6 echo $sum
7
sh
Tab Width: 8
Ln 5, Col 6
INS

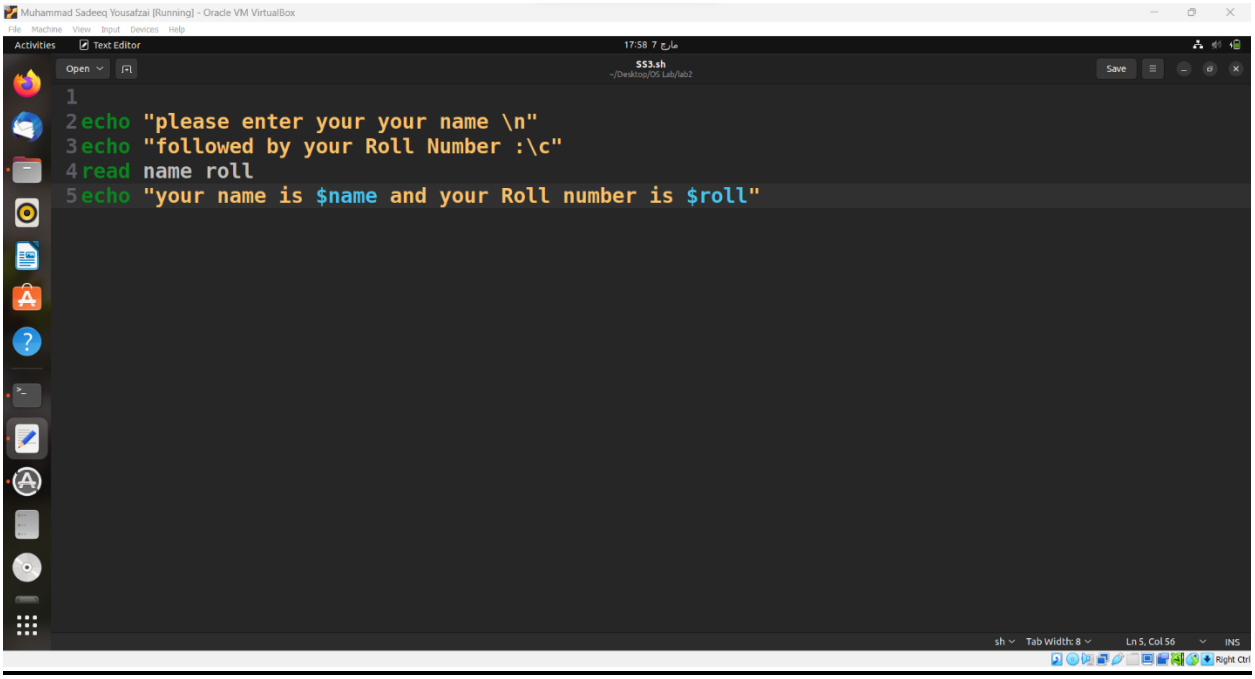

Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Terminal
muhammad@muhammad-VirtualBox: ~/Desktop/OS Lab/lab2
muhammad@muhammad-VirtualBox:~$ ^C
muhammad@muhammad-VirtualBox:~$ cd Desktop
muhammad@muhammad-VirtualBox:~/Desktop$ ^C
muhammad@muhammad-VirtualBox:~/Desktop$ cd "OS Lab"
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab$ ^C
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab$ cd lab2
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ^C
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ./SS1.sh
output of ls is : SS1.sh SS2.sh SS3.sh SS4.sh SS5.sh
60
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ S

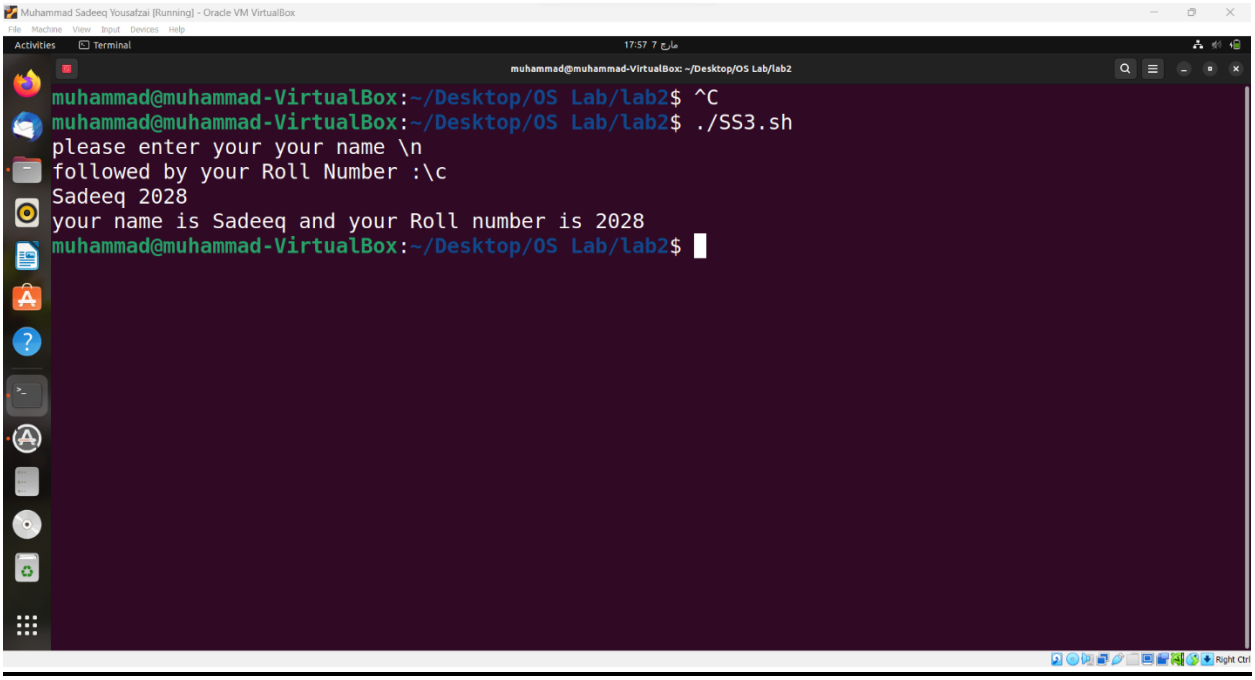
Task 2


Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Text Editor
Open
*SS2.sh
~/Desktop/OS Lab/lab2
Save
1
2 echo what your name \?
3 read name
4 echo what your age in years \?
5 read age
6 echo Hello $name.you are $age years old
sh
Tab Width: 8
Ln 6, Col 40
INS

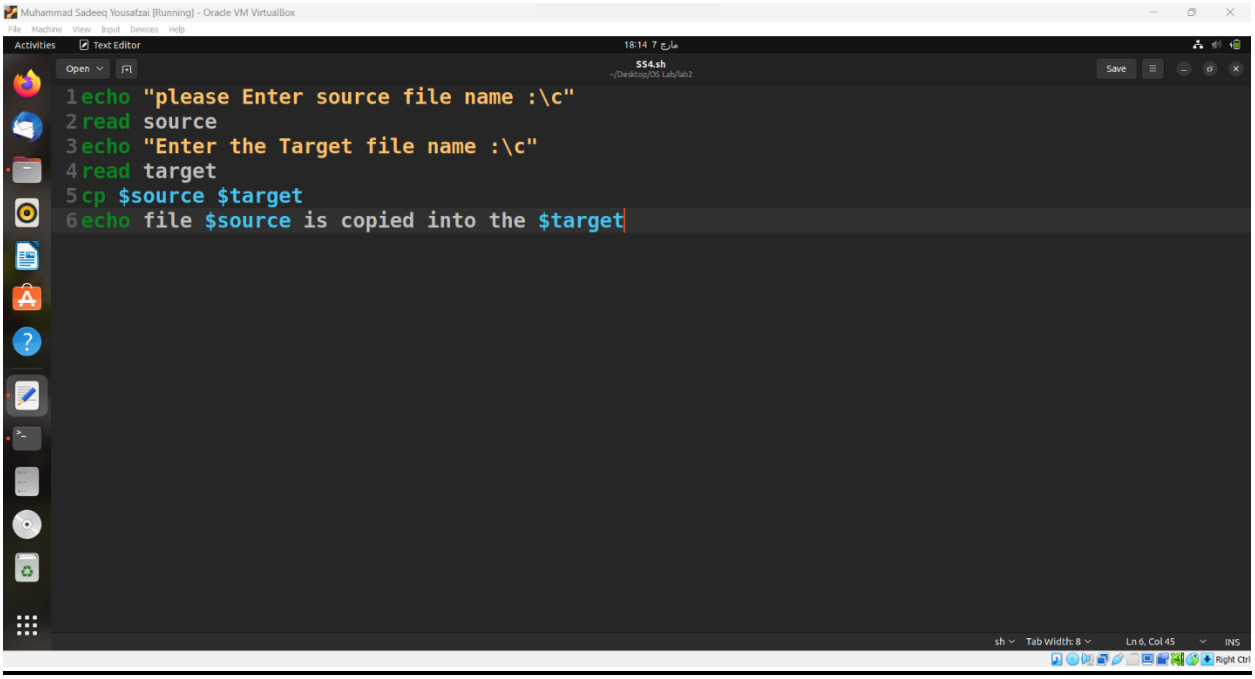

Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Terminal
muhammad@muhammad-VirtualBox: ~/Desktop/OS Lab/lab2
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ./SS2.sh
what your name ?
Muhammad Sadeeq
what your age in years ?
21
Hello Muhammad Sadeeq.you are 21 years old
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$

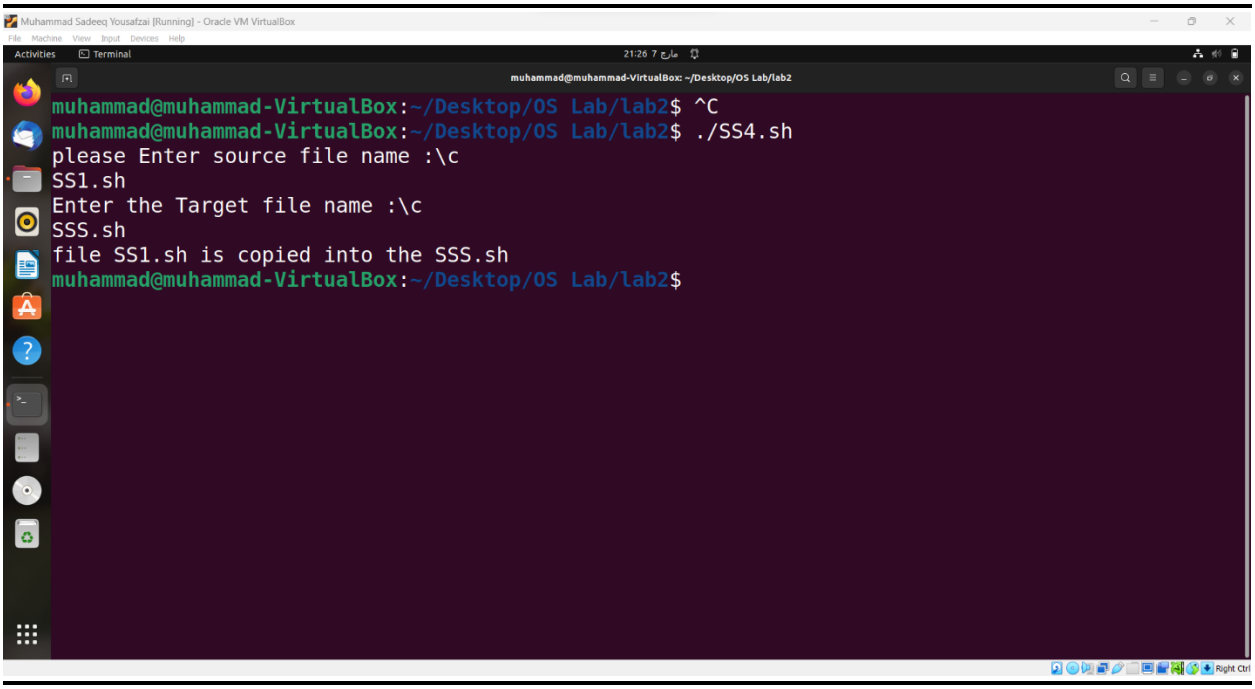
Task 3


Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Text Editor
Open
SS3.sh
~/Desktop/OS Lab/lab2
Save
1
2 echo "please enter your your name \n"
3 echo "followed by your Roll Number :\c"
4 read name roll
5 echo "your name is $name and your Roll number is $roll"
sh
Tab Width: 8
Ln 5, Col 56
INS

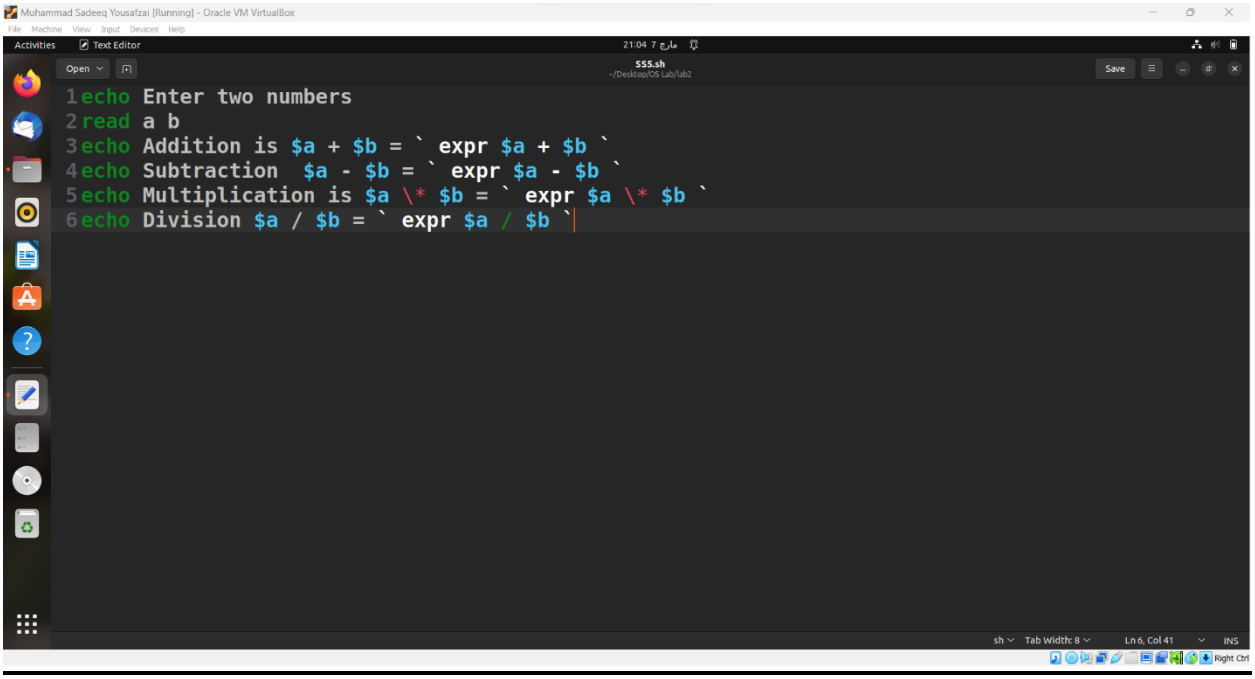

Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Terminal
muhammad@muhammad-VirtualBox: ~/Desktop/OS Lab/lab2
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ^C
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ./SS3.sh
please enter your your name \n
followed by your Roll Number :\c
Sadeeq 2028
your name is Sadeeq and your Roll number is 2028
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$

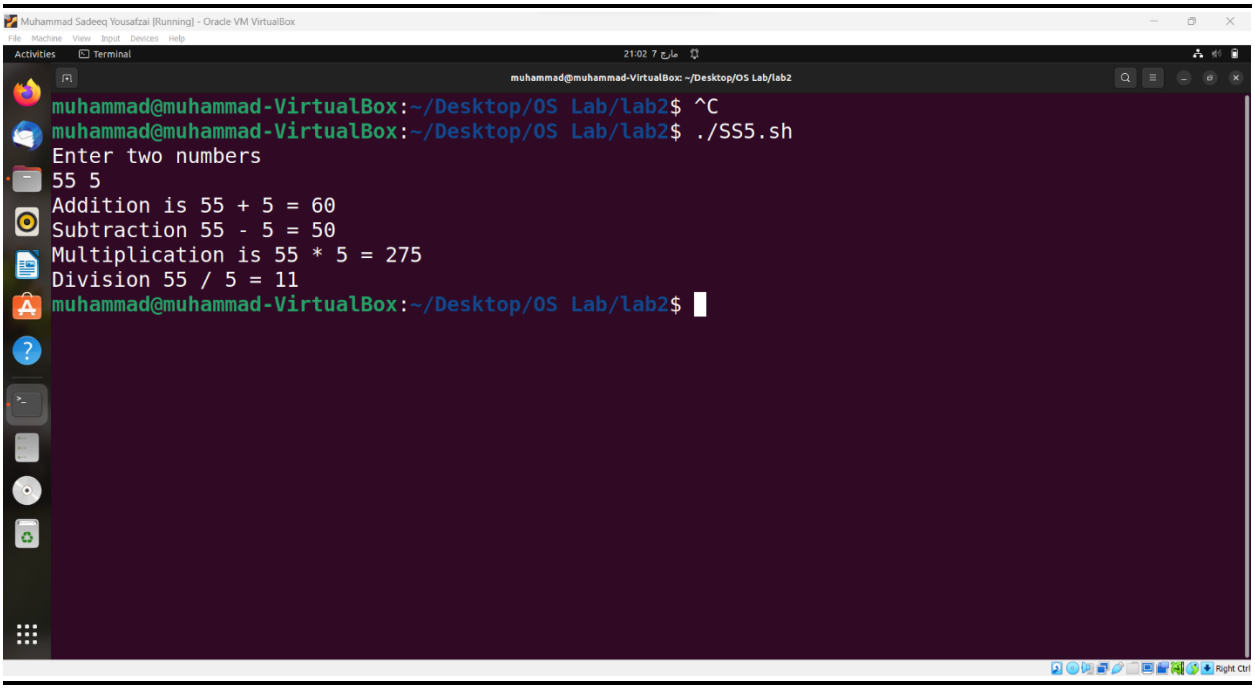
Task 4


Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Text Editor
Open
SS4.sh
~/Desktop/OS Lab/lab2
Save
1 echo "please Enter source file name :\c"
2 read source
3 echo "Enter the Target file name :\c"
4 read target
5 cp $source $target
6 echo file $source is copied into the $target
sh
Tab Width: 8
Ln 6, Col 45
INS


Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Terminal
muhammad@muhammad-VirtualBox: ~/Desktop/OS Lab/lab2
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ^C
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ./SS4.sh
please Enter source file name :\c
SS1.sh
Enter the Target file name :\c
SSS.sh
file SS1.sh is copied into the SSS.sh
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$

Task 5


Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Text Editor
Open
SS5.sh
~/Desktop/OS Lab/lab2
Save
1 echo Enter two numbers
2 read a b
3 echo Addition is $a + $b = ` expr $a + $b `
4 echo Subtraction $a - $b = ` expr $a - $b `
5 echo Multiplication is $a * $b = ` expr $a \* $b `
6 echo Division $a / $b = ` expr $a / $b `
sh
Tab Width: 8
Ln 6, Col 41
INS
Right Ctrl


Muhammad Sadeeq Yousafzai [Running] - Oracle VM VirtualBox
Activities
Terminal
muhammad@muhammad-VirtualBox: ~/Desktop/OS Lab/lab2
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ^C
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$ ./SS5.sh
Enter two numbers
55 5
Addition is 55 + 5 = 60
Subtraction 55 - 5 = 50
Multiplication is 55 * 5 = 275
Division 55 / 5 = 11
muhammad@muhammad-VirtualBox:~/Desktop/OS Lab/lab2$
Right Ctrl