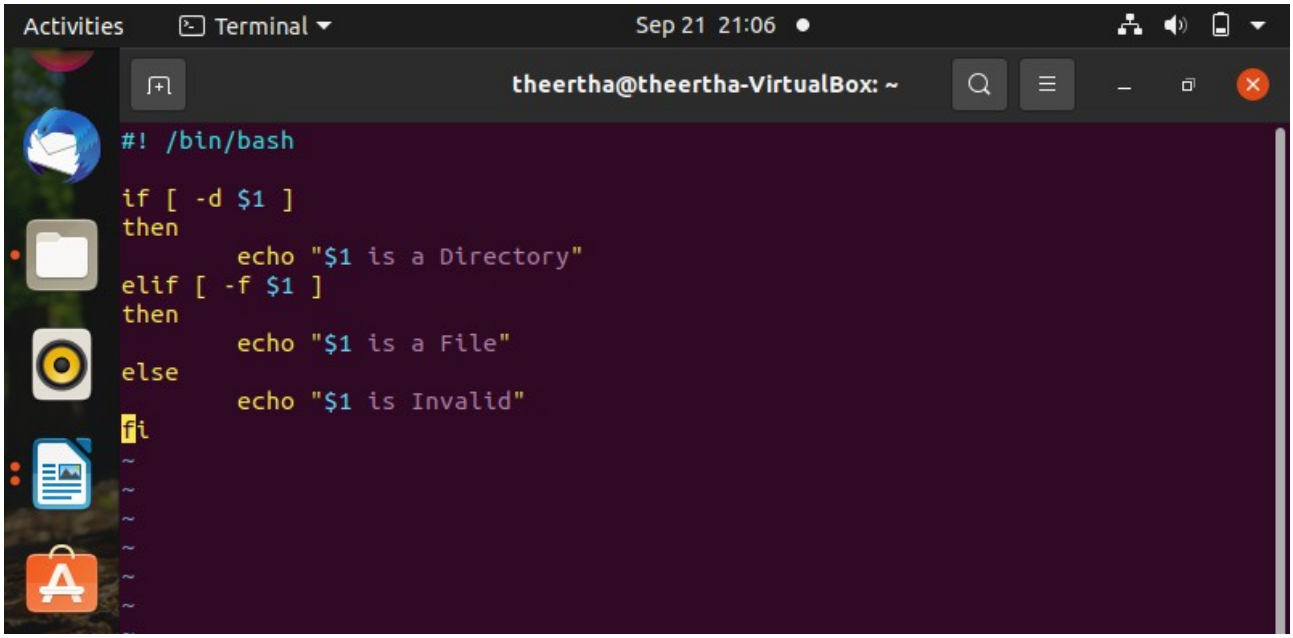
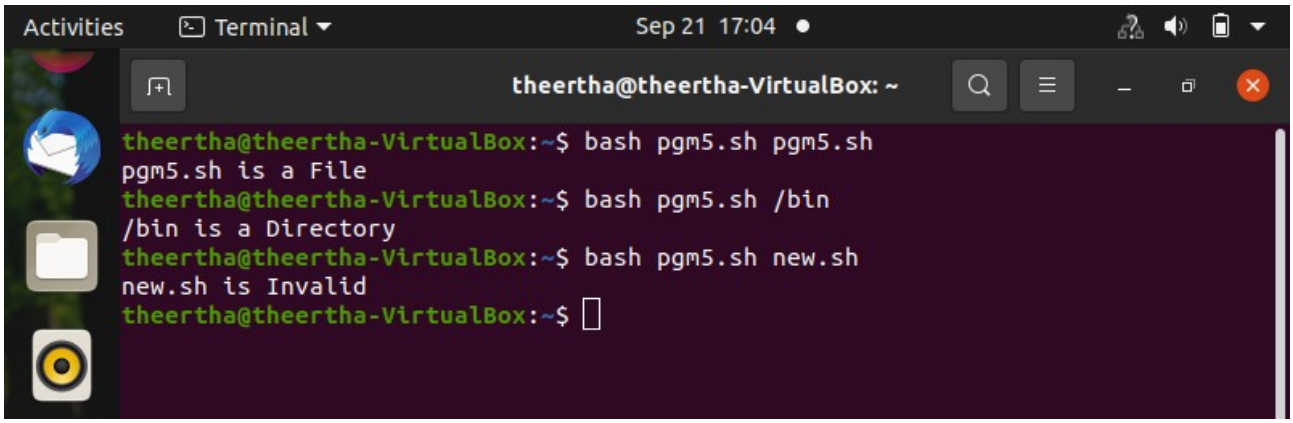
EXERCISE – 5

1) Write a shell script that takes a command line argument and reports on whether it is directory, a file, or something else.

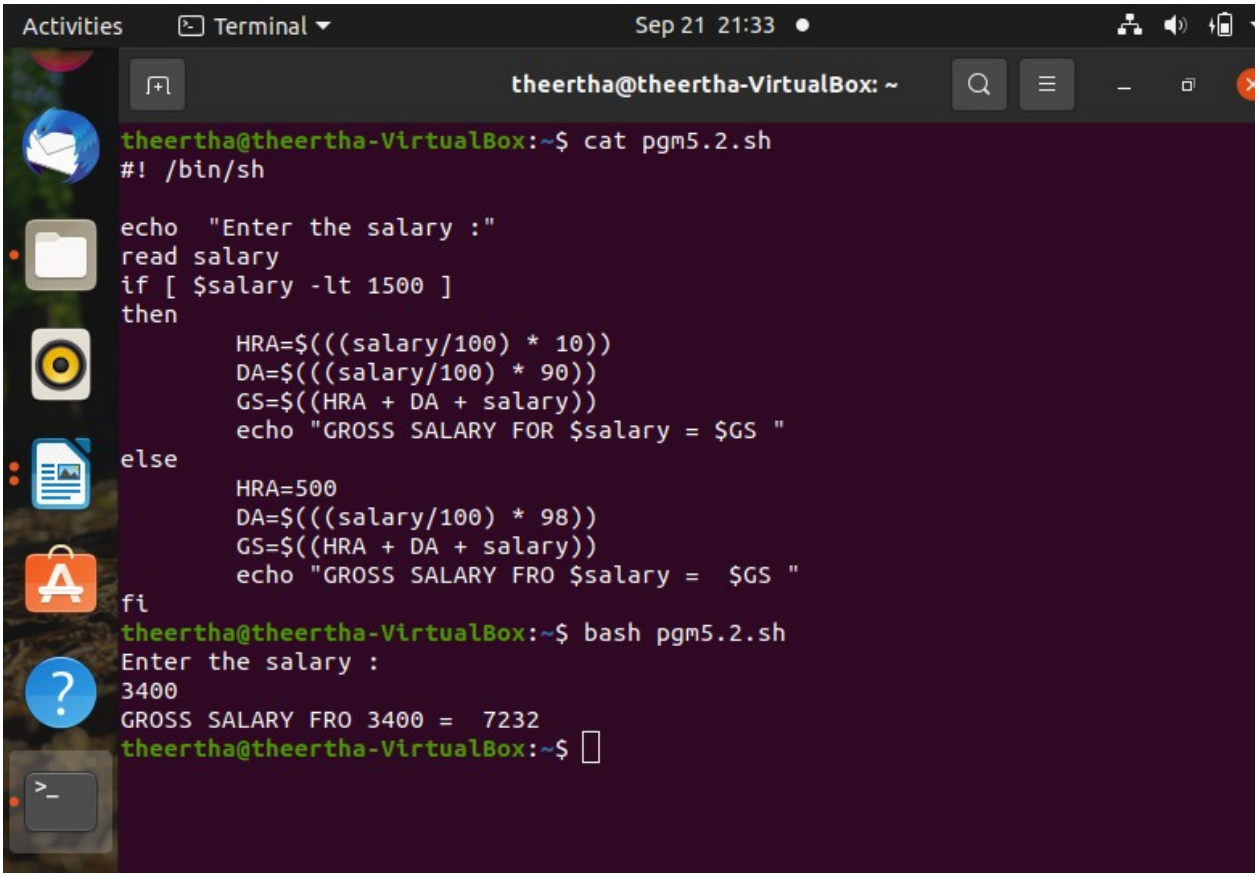




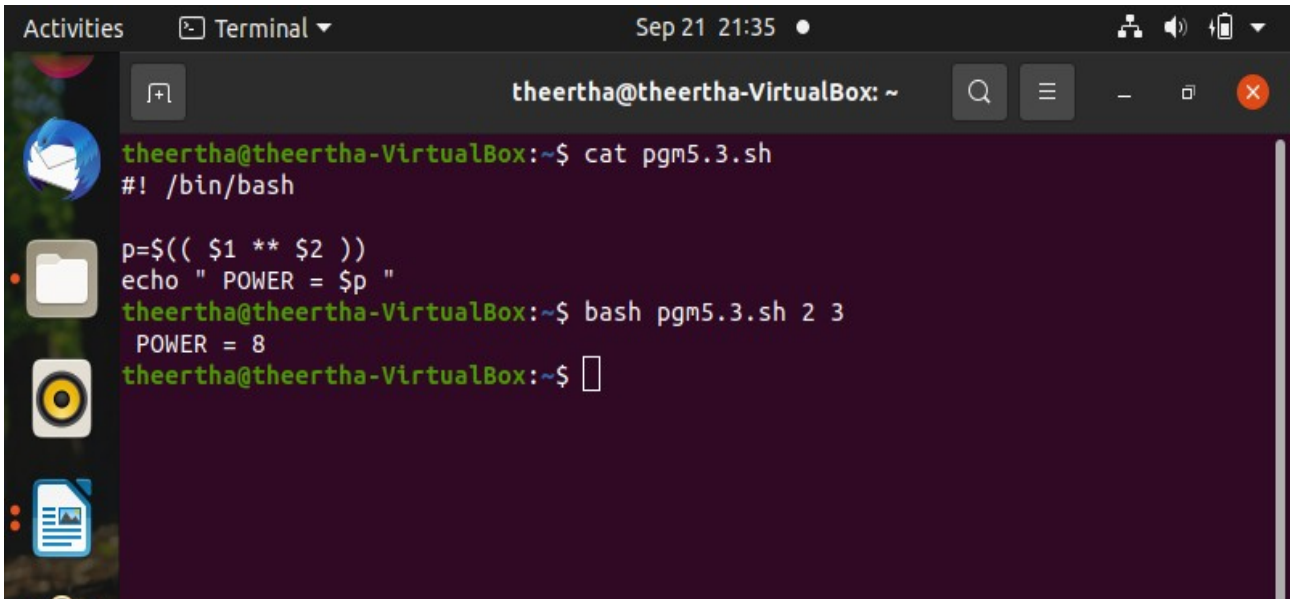
2) Write a shell script that computes the gross salary of a employee according to the following rules :

i) if basic salary is < 1500 then HRA =10% of the basic and DA =90% of the basic.

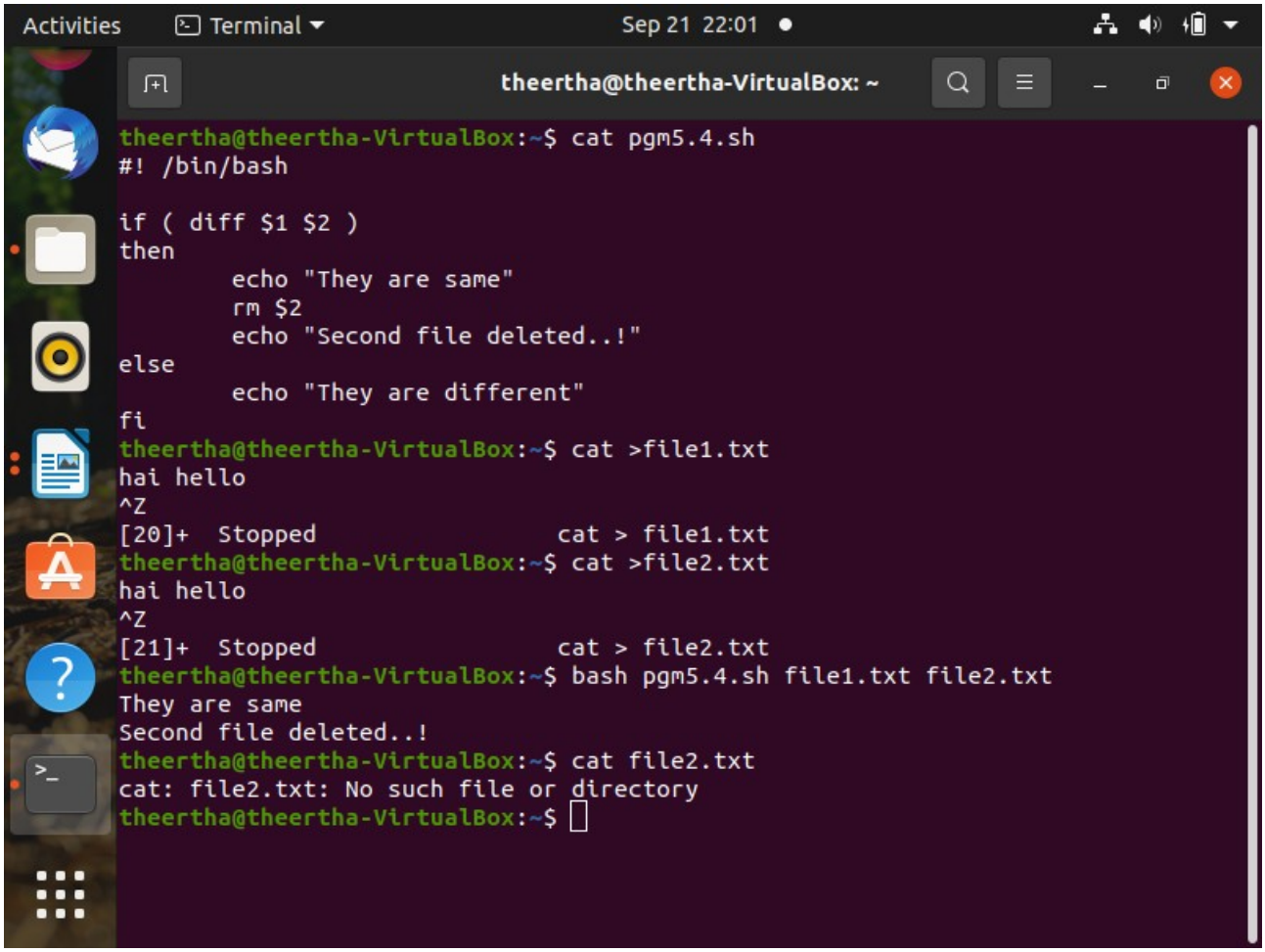
ii) If basic salary is >=1500 then HRA =Rs500 and DA=98% of the basic.



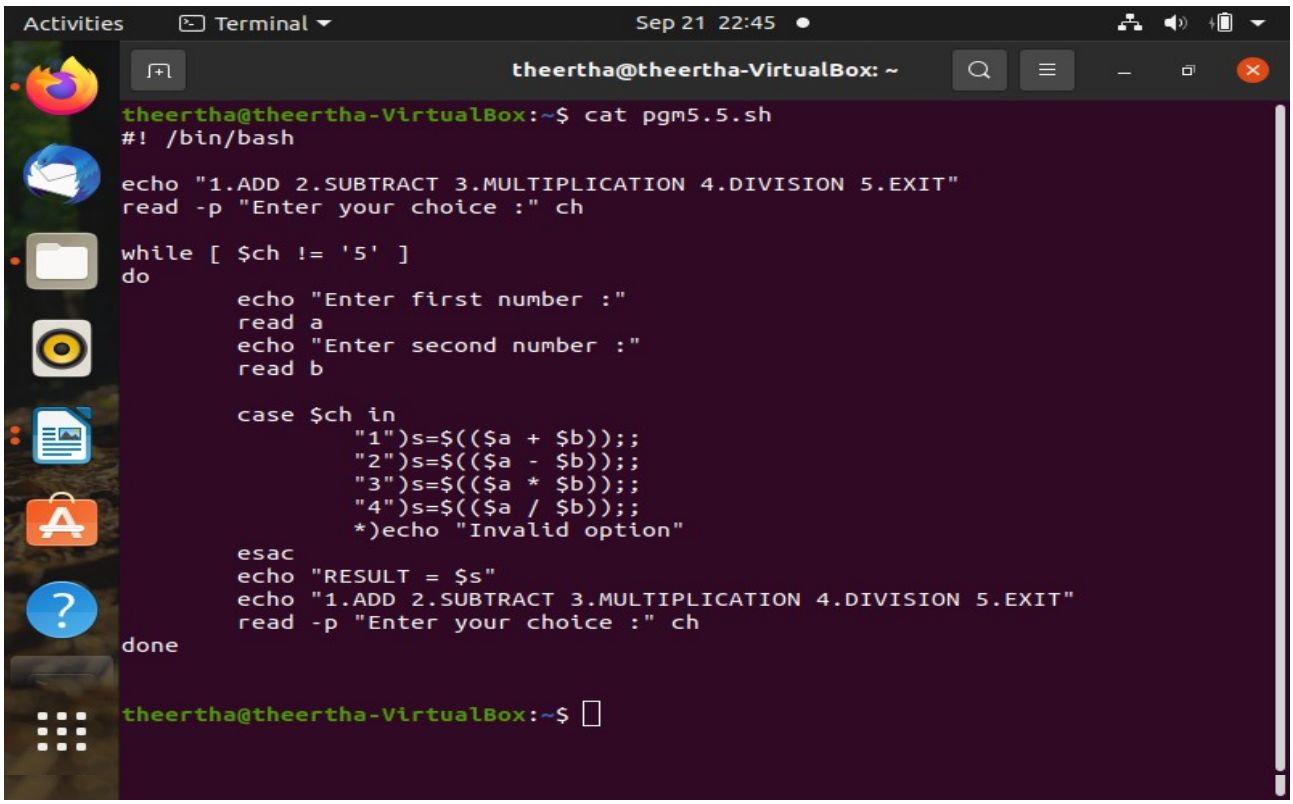
3) Write a shell script that accepts two integers as its arguments and computes the value of first number raised to the power of the second number.

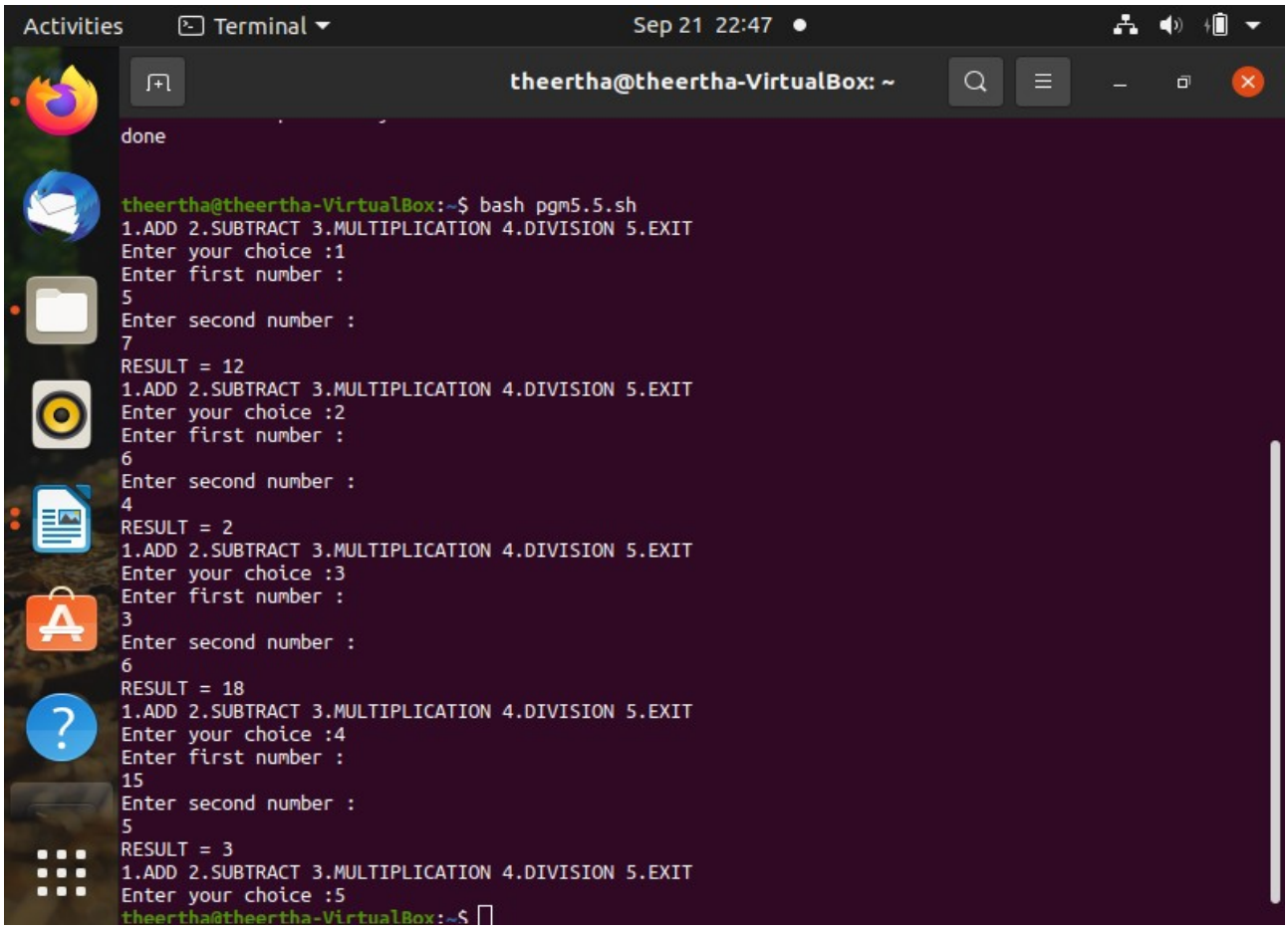


4) Write a shell script which receives two file names as arguments. It should check whether the two file contents are same or not. If they are same then second file should be deleted.



5) Write a shell script for Calculator.


Activities
Terminal
Sep 21 22:45
theertha@theertha-VirtualBox: ~
theertha@theertha-VirtualBox:~$ cat pgm5.5.sh
#! /bin/bash
echo "1.ADD 2.SUBTRACT 3.MULTIPLICATION 4.DIVISION 5.EXIT"
read -p "Enter your choice :" ch
while [$ch != '5']
do
echo "Enter first number :"
read a
echo "Enter second number :"
read b
case $ch in
"1")s=$(($a + $b));;
"2")s=$(($a - $b));;
"3")s=$(($a * $b));;
"4")s=$(($a / $b));;
*)echo "Invalid option"
esac
echo "RESULT = $s"
echo "1.ADD 2.SUBTRACT 3.MULTIPLICATION 4.DIVISION 5.EXIT"
read -p "Enter your choice :" ch
done
theertha@theertha-VirtualBox:~$


Activities
Terminal
Sep 21 22:47
theertha@theertha-VirtualBox: ~
done
theertha@theertha-VirtualBox:~$ bash pgm5.5.sh
1.ADD 2.SUBTRACT 3.MULTIPLICATION 4.DIVISION 5.EXIT
Enter your choice :1
Enter first number :
5
Enter second number :
7
RESULT = 12
1.ADD 2.SUBTRACT 3.MULTIPLICATION 4.DIVISION 5.EXIT
Enter your choice :2
Enter first number :
6
Enter second number :
4
RESULT = 2
1.ADD 2.SUBTRACT 3.MULTIPLICATION 4.DIVISION 5.EXIT
Enter your choice :3
Enter first number :
3
Enter second number :
6
RESULT = 18
1.ADD 2.SUBTRACT 3.MULTIPLICATION 4.DIVISION 5.EXIT
Enter your choice :4
Enter first number :
15
Enter second number :
5
RESULT = 3
1.ADD 2.SUBTRACT 3.MULTIPLICATION 4.DIVISION 5.EXIT
Enter your choice :5
theertha@theertha-VirtualBox:~$