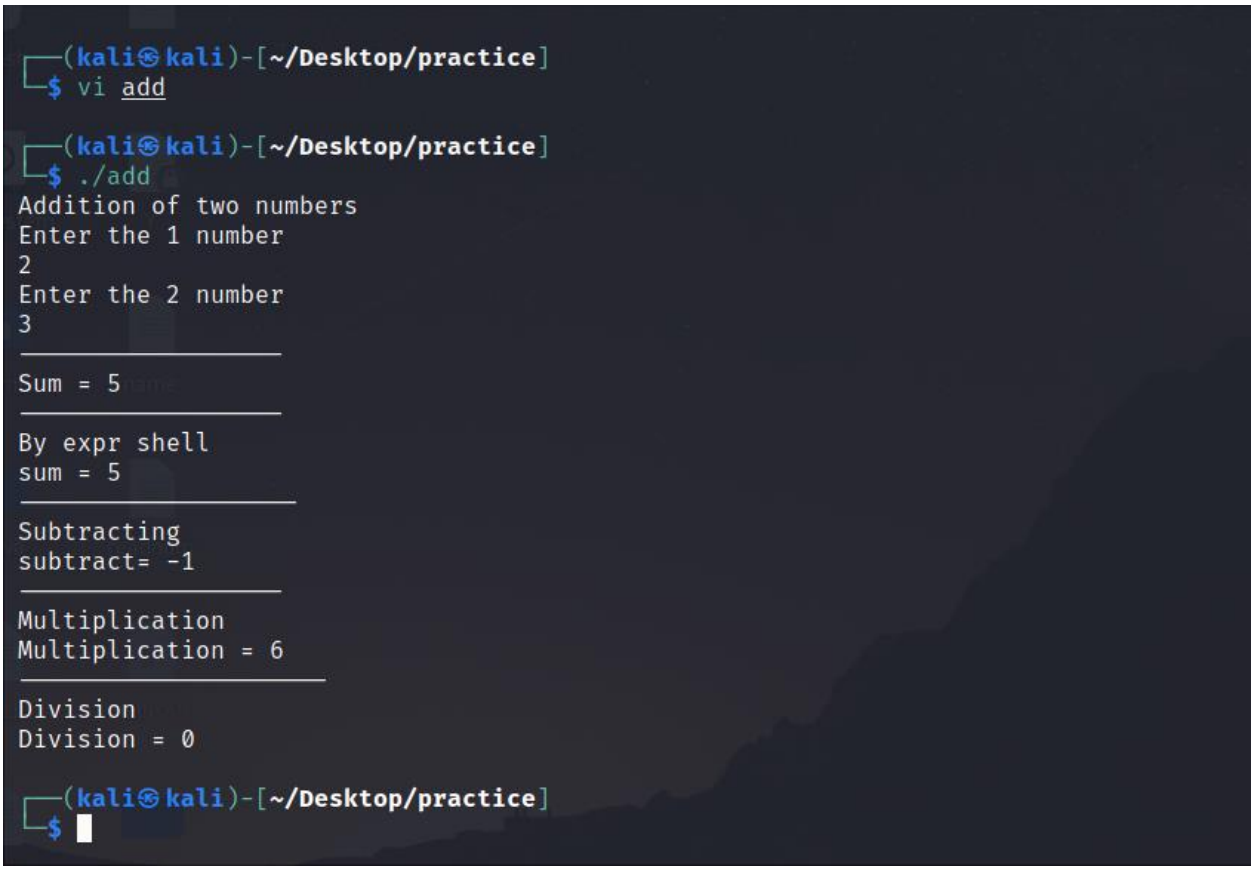
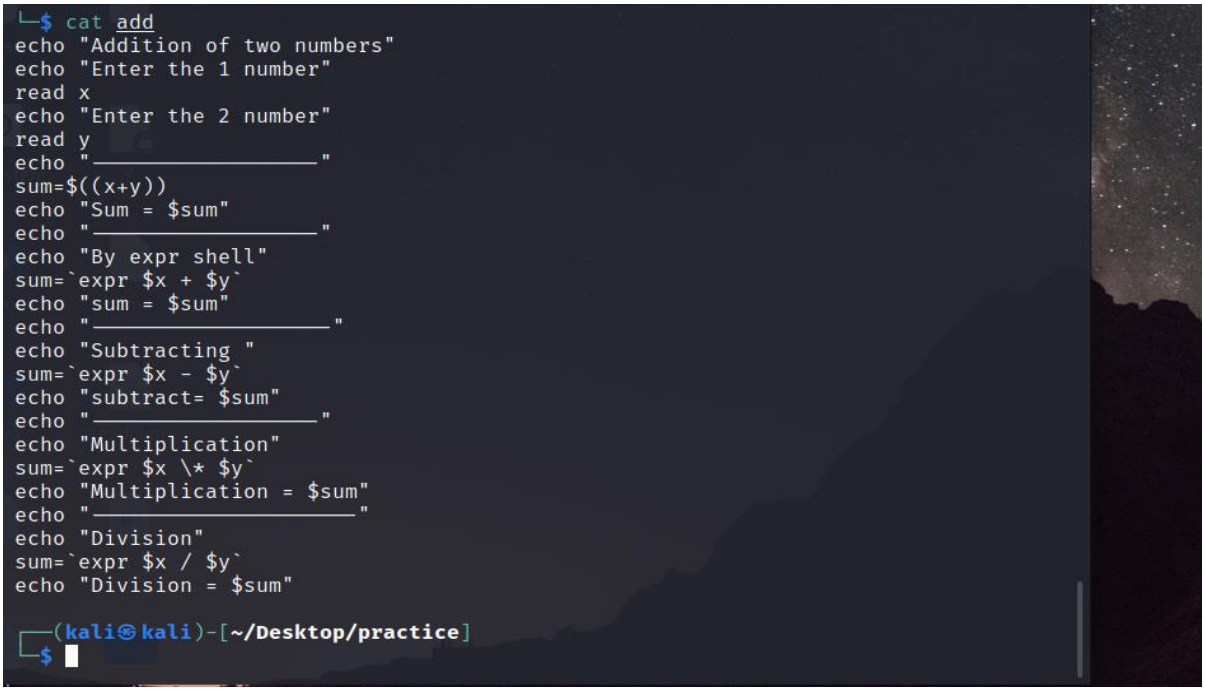
Assignment 1

Name Shiva Dadhiram Pokhrel

Q1. Write a shell script to enter the value of two variables.

Perform the basic calculator operations and print the outputs.

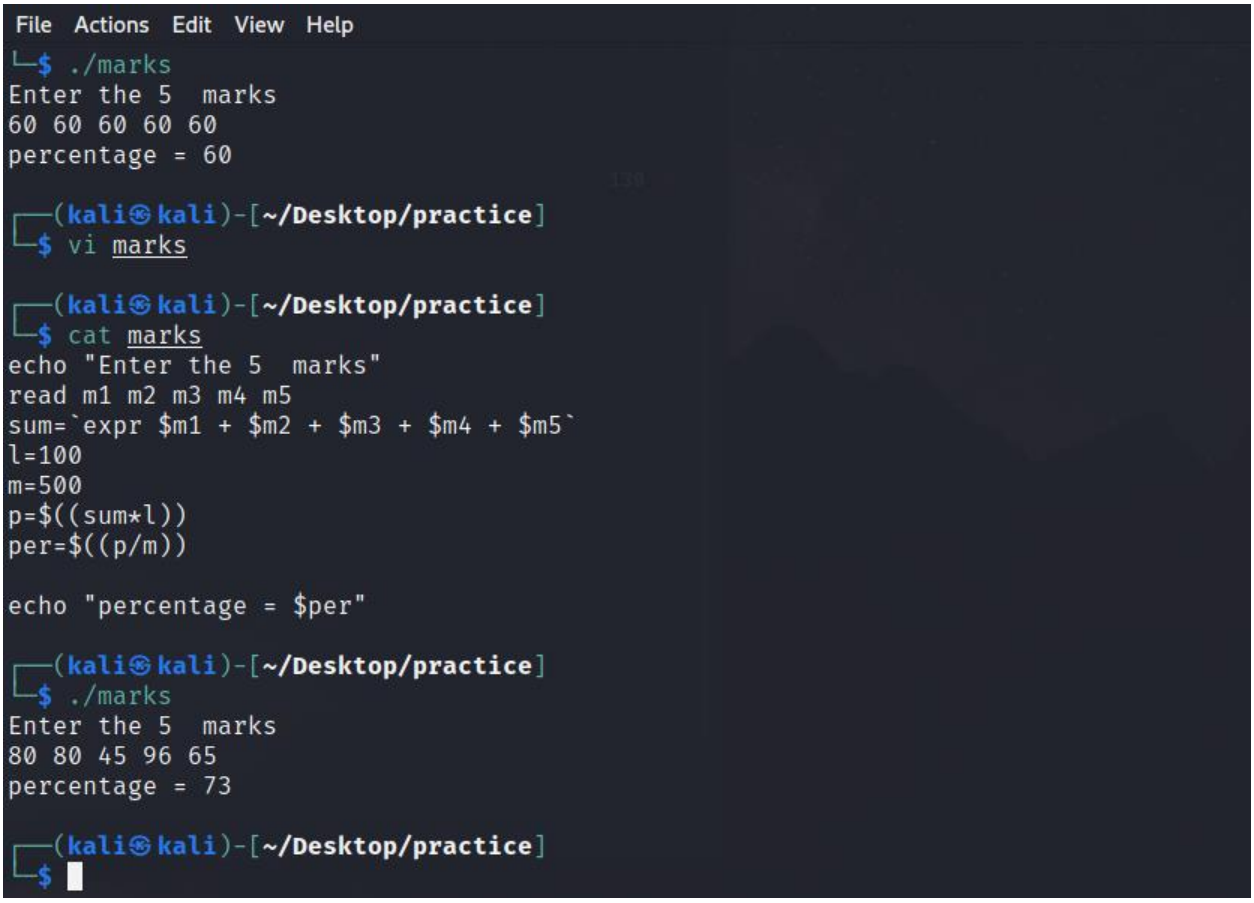




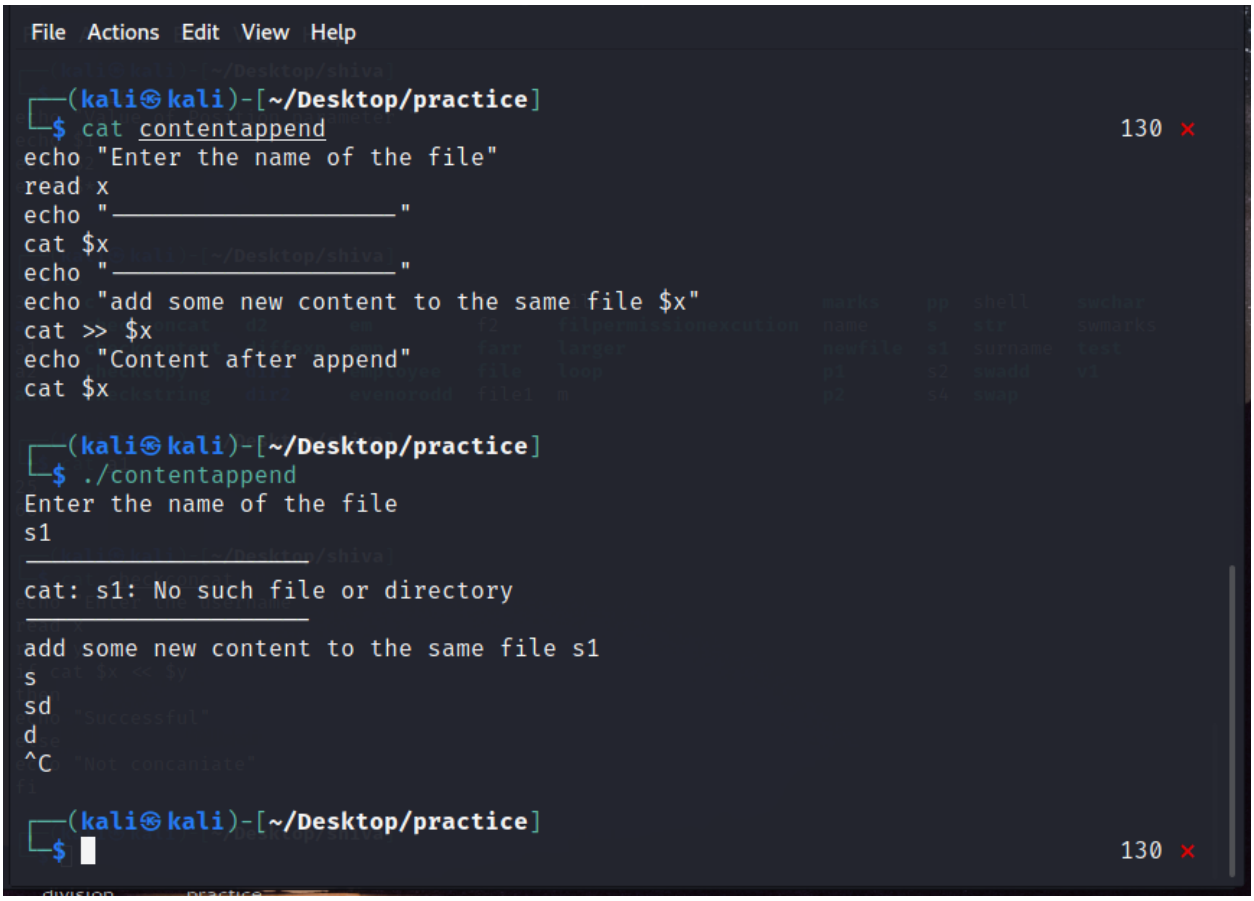
```
└─$ cat add
echo "Addition of two numbers"
echo "Enter the 1 number"
read x
echo "Enter the 2 number"
read y
echo "____________________"
sum=$((x+y))
echo "Sum = $sum"
echo "____________________"
echo "By expr shell"
sum=`expr $x + $y`
echo "sum = $sum"
echo "____________________"
echo "Subtracting "
sum=`expr $x - $y`
echo "subtract= $sum"
echo "____________________"
echo "Multiplication"
sum=`expr $x \* $y`
echo "Multiplication = $sum"
echo "____________________"
echo "Division"
sum=`expr $x / $y`
echo "Division = $sum"

┌──(kali㉿kali)-[~/Desktop/practice]
└─$
```

Q2. Write a shell script to read the marks of 5 subjects and find the percentage of the student



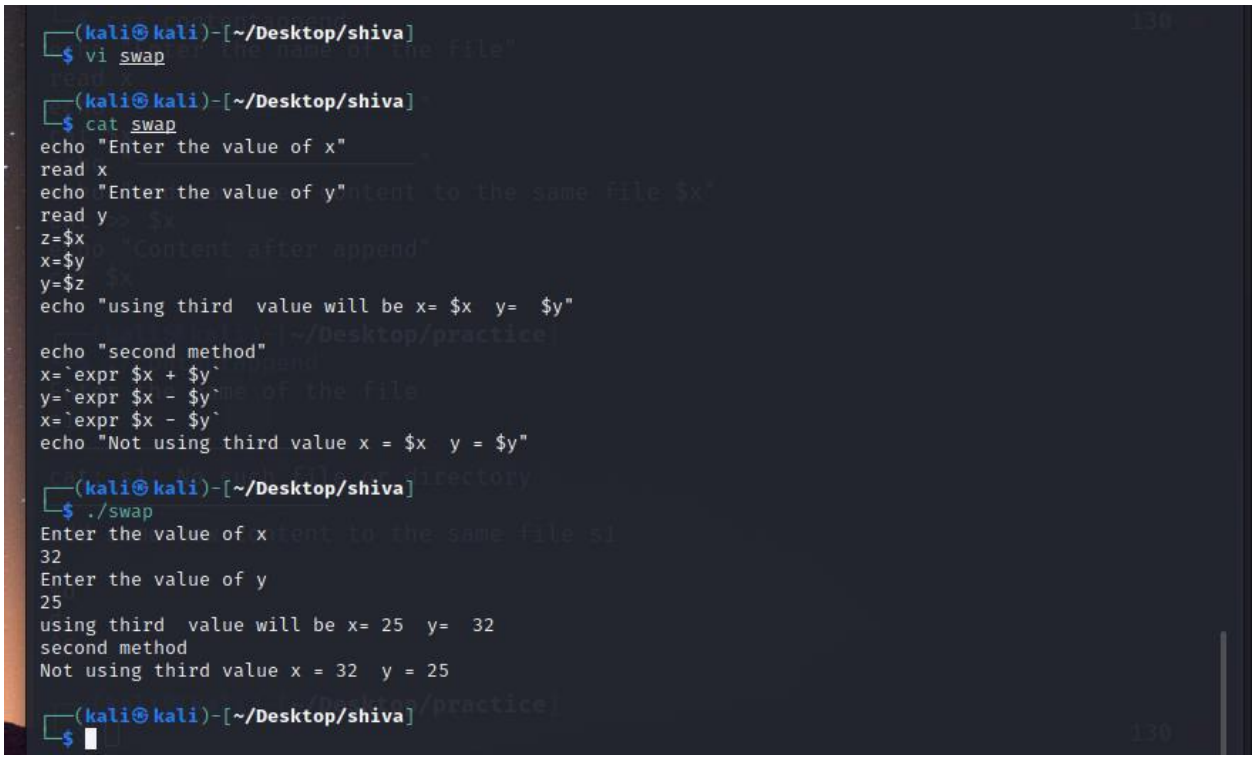
Q3. WSS to enter the name of a file and display the content of the file and also append some more content into the same file and again print.



Q4. Take two values as input in the variable x and y and swap the values

i) Use a 3rd variable

ii) Do not use 3rd variable



Q5. Input the basic salary of an employee from the user.

His HRA is 30% of his basic and DA is 20 % of basic. Medical Allowances 10%

Calculate his total salary

6000

1800

1200

600

9600

```
┌──(kali㉿kali)-[~/Desktop/practice]
└─$ cat salary
echo "Enter the salary"
read s
hra=`echo $s \* 0.3|bc -l`
da=`echo $s \* 0.2|bc -l`
ma=`echo $s \* 0.1|bc -l`
total=`echo $s+$hra+$da+$ma|bc -l`
echo "TOTAL = $total"


┌──(kali㉿kali)-[~/Desktop/practice]
└─$ ./salary
Enter the salary
6000
TOTAL = 9600.0

┌──(kali㉿kali)-[~/Desktop/practice]
└─$
```