Ex. no: 2a) **Shell Script**

Date:25.01.25

Aim:

To write a Shellscript to to display basic calculator.

Program:

```
echo "Enter a two no"
read a
read b
c=`expr $a + $b`
d=`expr $a - $b`
e=`expr $a \* $b`
f=`expr $a / $b`
g=`expr $a % $b`

echo "add $c"
echo "sub $d"
echo "mul $e"
echo "div $f"
echo "mod $g"
```

Sample Input and Output

Run the program using the below command

```
[REC@local host~]$ sh arith.sh
Enter two no
5
10
add 15
sub -5
mul 50
```

div 0

mod 5

Result:

Thus,the shell script has been successfully executed.

Ex. no: 2b) **Shell Script**

Date:25.01.25

Aim:

To write a Shellscript to test given year is leap or not using conditional statement

Program:

```
echo "Enter year:"
read year

if [ $((year % 4)) -ne 0 ]
then
  echo "$year is not a leap year"
elif [ $((year % 100)) -ne 0 ]
then
  echo "$year is a leap year"
elif [ $((year % 400)) -ne 0 ]
then
  echo "$year is not a leap year"
else
```

```
  echo "$year is a leap year"
fi
```

Sample Input and Output

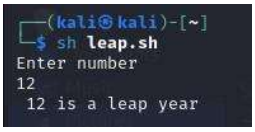
Run the program using the below command

[REC @ local host~]$ sh leap.sh

enter number

12

leap year



Result:

Thus,the shell script has been successfully executed.