Ex. no: 2a)

Date: 31/1/25

Shell Script

Aim:

To write a Shellscript to to display basic calculator.

Program:

```
echo "Enter two numbers:"
read a
read b

c = $((  $a + $b))
d = $(( $a - $b))
e = $(( $a * $b))
f = $(( $a / $b))
g = $(( $a %, $b))

echo -e "add $c"
echo -e "sub $d"
echo -e "mul $e"
echo -e "div $f"
echo -e "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 5c"

Result:

Shell Scripts to display basic calculator have been executed successfully.

Enter two no

10

20

add 30

sub -10

mul 200

div 0

mod 10

Enter two no

2

3

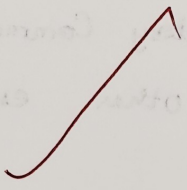
add 5

sub -1

mul 6

div 0

mod 2



Ex. no: 2b)

Date: 1/2/25

Shell Script

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

Program:

```
echo "Enter number:"
read a
if [ $(($a%100)) -eq 0 ]
then
    if [ $(($a%400)) -eq 0 ]
    then
        echo "Leap year"
    else
        echo "Not a leap year"
    fi
else
    if [ $(($a%4)) -eq 0 ]
    then
        echo "Leap year"
    else
        echo "Not a leap year"
    fi
fi
```

Sample Input and Output
Run the program using the below command

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

enter number
12
leap year

Result:

Shell script to test given year as leap year or not using conditional statement have been executed successfully.

Enter number:

2019

Not a Leap year

Enter number:

2024

Leap year