

Ex. no: 2a)

Date: 7/2/25

Shell Script

Aim:

To write a Shellscrip to to display basic calculator.

Program:

```
echo "Enter the First Number"
read a
echo "Enter the Second Number"
read b
c = $(( $a + $b ))
d = $(( $a - $b ))
e = $(( $a * $b ))
f = $(( $a / $b ))
g = $(( $a % $b ))
echo "add $c"
echo "sub $d"
echo "mul $e"
echo "div $f"
echo "mod $g"
```


Enter the First number

10

Enter the Second Number.

20

add 30

sub -10

mul 200

div 6

mod 10



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:

Thus the program executed successfully



Ex. no: 2b)

Date: 3/2/25

Shell Script

Aim:

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

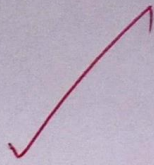
Program:

```
echo "Enter a Year"
read a
m=$(( $a % 4 ))
if [ $m -eq 0 -a $(( $a % 100 )) -ne 0 -o
    $(( $a % 400 )) -eq 0 ]
then
    echo " Leap year"
else
    echo " Not Leap Year"
fi
```


Enter a number

2019

Not a Leap year



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 program executed successfully and expected output is achieved

[Handwritten signature]