Ex. no: 2a)

Date: 11|2|25

<u>Shell Script</u>

Aim:

To write a Shellscript to to display basic calculator.

Program:

```
echo "Enter first number"
read a
echo "Enter second number"
read b
c = $(( $a + $b))
d = $(( $a - $b))
e = $(( $a * $b))
f = $(( $a / $b))
g = $(( $a % $b))
echo (" sum is $c")
echo " sub is $d "
echo (" multiply is $e")
echo " div is $f "
echo " percentage is $g"
```

(mod written above "percentage")

Enter first number :
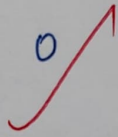
20

Enter second number :

10

sum is 30

sub is 10

multiply is 200

div is 2

mod is 0

<u>**Sample Input and Output**</u>
<u>**Run the program using the below command**</u>
[REC@local host~]$ sh arith.sh

Enter two no
5
10
add 15
sub -5
mul 50
div 0
mod 5c"

Result:

The shell script to display calculator has been
done successfully.

Shell Script

Aim:

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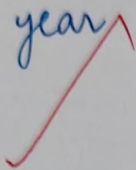
Program:

```
echo " Enter year"
read a
c = $(( $a % 4))
d = $(( $a % 100))
e = $(( $a % 400))
if [ $c - eq 0 -a $d -ne -o $e -eq 0]
then
  echo "yes"
else
  echo " no"
Fi
```

enter year
12
leap year

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

enter number
12
leap year

Result:

The shell program is executed and output is received in shell script using conditional statements and modulo function.