Ex. no: 2a)

Date: 7/2/25

Shell Script

Aim:

To write a Shellscript to to display basic calculator.

Program:

```
echo "Enter a number"
read a
echo "Enter a 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"
```


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Enter a number
5
Enter a number
10
add 15
sub -5
mul 50
div 0
mod 5

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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:

Shellscripts to display basic calculator have been executed successfully

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Ex. no: 2b)

Date: 7/2/25

Shell Script

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

Program:

```
echo "Enter a year"
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
```

Enter a year
2019
Not a Leap Year

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Sample Input and Output
Run the program using the below command

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

enter number
12
leap year

Result:

Shellscript to test given year is a leap year or not using conditional statements have been executed successfully

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