

Ex. no: 2a)

Date: 5/02/2025

Shell Script

Aim:

To write a Shellscript to to display basic calculator.

Program:

```
echo "Enter the First Number:"
read a
echo "Enter the Second Number:"
read b
c='expr $a+$b|bc'
d='expr $a-$b|bc'
e='expr $a*$b|bc'
f='expr $a/$b|bc'
g='expr $a%$b|bc'
echo "Sum is $c"
echo "Difference is $d"
echo "Product is $e"
echo "Quotient is $f"
echo "Remainder is $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"

Enter the First Number:

4

Enter the Second Number:

2

Sum is 6

Difference is 2

Product is 8

Quotient is 2

Remainder is 0

Result:

A shellscript program has been executed to display the basic calculator.



Ex. no: 2b)

Date: 06/02/2025

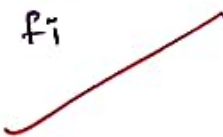
Shell Script

Aim:

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

Program:

```
echo "Enter a Year:"  
read a  
m='expr $a%4|bc'  
if [ $m -eq 0 ]  
then  
echo "Leap Year"  
else  
echo "Not 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
```

Enter a Year:

2016

Leap Year

Result:

A shellscript program has been executed to display and check for leap year.

[Signature]