

Ex. no: 2a)

Date: 05-02-25

### 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'
d = 'expr $a - $b'
e = 'expr $a * $b'
f = 'expr $a / $b'
g = 'expr $a % $b'
echo "SUM = $c"
echo "DIFF = $d"
echo "PRODUCT = $e"
echo "DIVISION = $f"
echo "REMAINDER = $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

10

ENTER THE SECOND NUMBER

20

SUM = 30

DIFF = -10

PRODUCT = 200

DIVISION = 0

REMAINDER = 10

Result:

Thus the shellscript to display basic calculator has been executed successfully.



Ex. no: 2b)

Date: 05-02-25

### Shell Script

**Aim:**

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

**Program:**

```
echo "Enter value"
```

```
read a
```

```
year = $y
```

```
y = $(($y % 4))
```

```
if [ $y -eq 0 ]
```

```
then
```

```
echo "$Year is Leap Year!"
```

```
else
```

```
echo "$Year is 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

OUTPUT:

Enter Year:

2010

2010 is not a leap Year

Enter Year:

2024 is a leap Year

Result:

Thus the shell script to test given year is leap or not using conditional statement has been executed successfully.

