

Ex. no: 2a)

Date: 29-01-2025

# Shell Script

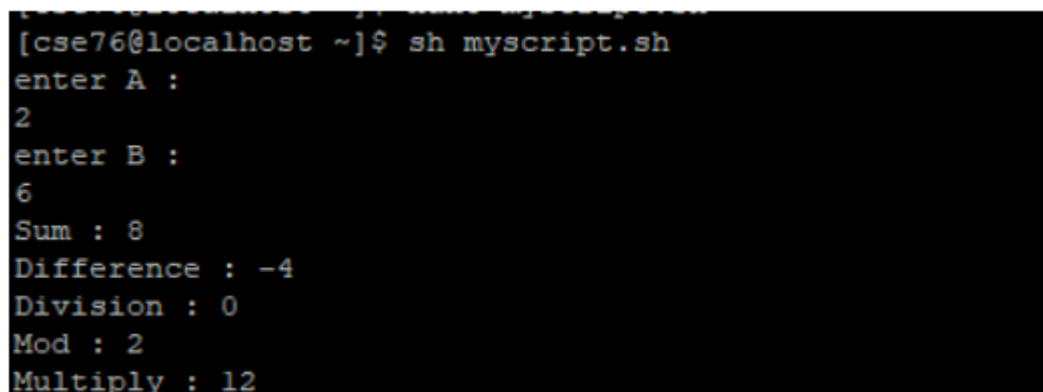
Aim:

To write a Shellscript to to display basic calculator.

Program:

```
echo "enter A :"  
  
read a  
  
echo "enter B :"  
  
read b  
  
c=`expr $a + $b`  
echo "Sum : $c"  
  
d=`expr $a - $b`  
echo "Difference : $d"  
  
f=`expr $a / $b`  
echo "Division : $f"  
  
g=`expr $a % $b`  
echo "Mod : $g"  
  
e=`expr $a \* $b`  
echo "Multiply : $e"
```

Result :



```
[cse76@localhost ~]$ sh myscript.sh  
enter A :  
2  
enter B :  
6  
Sum : 8  
Difference : -4  
Division : 0  
Mod : 2  
Multiply : 12
```

Ex. no: 2b)

Date:29-01-2025

### Shell Script

Aim:

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

Program:

```
echo "Enter the Year"

read n

a=`expr $n % 4`

b=`expr $n % 100`

c=`expr $n % 400`

if [ $a -eq 0 ] && { [ $b -ne 0 ] || [ $c -eq 0 ];}

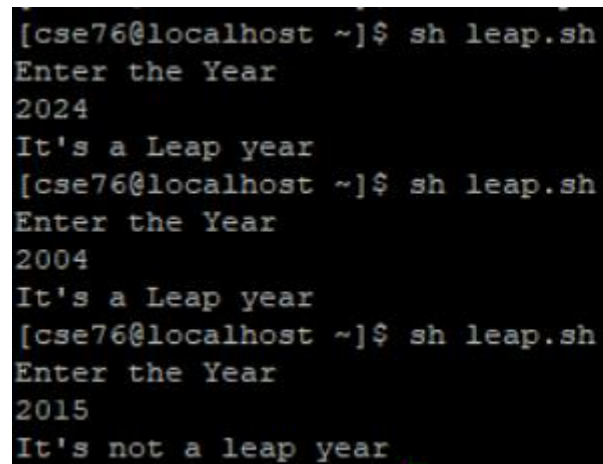
then

    echo "It's a Leap year"

else

    echo "It's not a leap year"
```

Result:



```
[cse76@localhost ~]$ sh leap.sh
Enter the Year
2024
It's a Leap year
[cse76@localhost ~]$ sh leap.sh
Enter the Year
2004
It's a Leap year
[cse76@localhost ~]$ sh leap.sh
Enter the Year
2015
It's not a leap year
```