

**E x . n o : 2 a )**

**Roll No. 230701074**

**Date:** 29-01-2025

## **Shell Script**

### **Aim:**

To write a Shellscrip 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 :**

```
enter A :  
2  
enter B :  
6  
Sum : 8  
Difference : -4  
Division : 0  
Mod : 2  
Multiply : 12
```

**E x . n o : 2 b )**

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## **Shell Script**

### **Aim:**

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

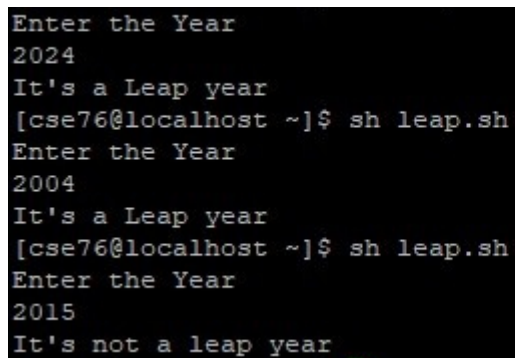
### **Program:**

```
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:**



```
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
```