

EXP 2a
230701047

ROLL NO:

SHELL SCRIPT-BASIC CALCULATOR

AIM:

To write a Shellscript to display basic calculator.

PROGRAM:

```
echo "Enter two numbers"
```

```
read a
```

```
read b
```

```
c=$(expr $a + $b)
```

```
echo "Add: $c"
```

```
d=$(expr $a - $b)
```

```
echo "Sub: $d"
```

```
e=$(expr $a / $b)
```

```
echo "Divide: $e"
```

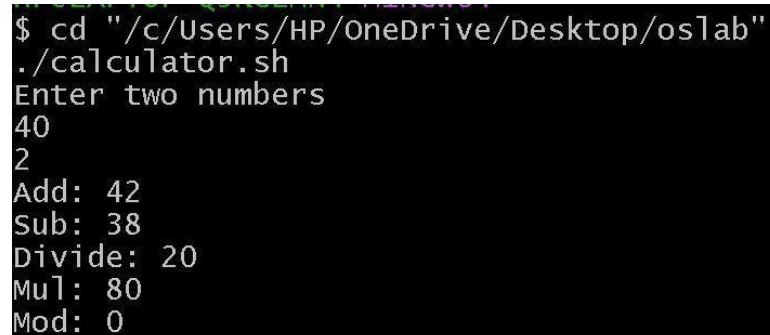
```
f=$(expr $a \* $b)
```

```
echo "Mul: $f"
```

```
g=$(expr $a % $b)
```

```
echo "Mod: $g"
```

OUTPUT:



```
$ cd "/c/Users/HP/OneDrive/Desktop/oslab"  
./calculator.sh  
Enter two numbers  
40  
2  
Add: 42  
Sub: 38  
Divide: 20  
Mul: 80  
Mod: 0
```

RESULT:

The Shellscript for basic calculator was executed and got the output.

OPERATING SYSTEM - CS23431

EXP 2b
230701201

ROLL NO:

SHELL SCRIPT – LEAP YEAR

AIM:

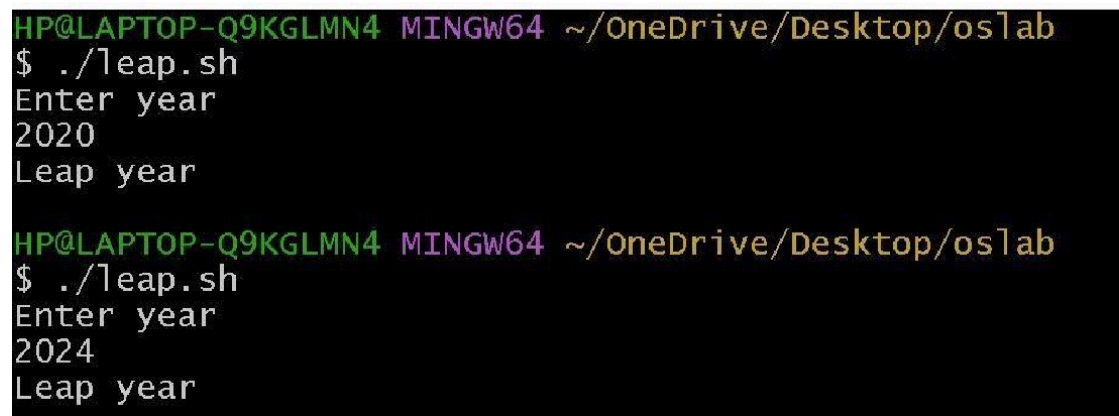
To write a Shellscrip to test given year is leap or not using conditional statement

PROGRAM:

```
echo "Enter year"
read year

if [ $((($year % 400)) -eq 0 ); then
    echo "Leap year"
elif [ $((($year % 100)) -eq 0 ); then
    echo "Not a leap year"
elif [ $((($year % 4)) -eq 0 ); then
    echo "Leap year"
else
    echo "Not a Leap year"
fi
```

OUTPUT:



```
HP@LAPTOP-Q9KGLMN4 MINGW64 ~/OneDrive/Desktop/oslab
$ ./leap.sh
Enter year
2020
Leap year

HP@LAPTOP-Q9KGLMN4 MINGW64 ~/OneDrive/Desktop/oslab
$ ./leap.sh
Enter year
2024
Leap year
```