

# OPERATING SYSTEM - CS23431

## EXP 2(A)

### SHELL SCRIPT-BASIC CALCULATOR

**NAME: S.Manicka Meenakshi**

**ROLL NO: 230701173**

#### 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
```

# OPERATING SYSTEM - CS23431

## EXP 2(B)

### SHELL SCRIPT – LEAP YEAR

**NAME: S.Manicka Meenakshi**

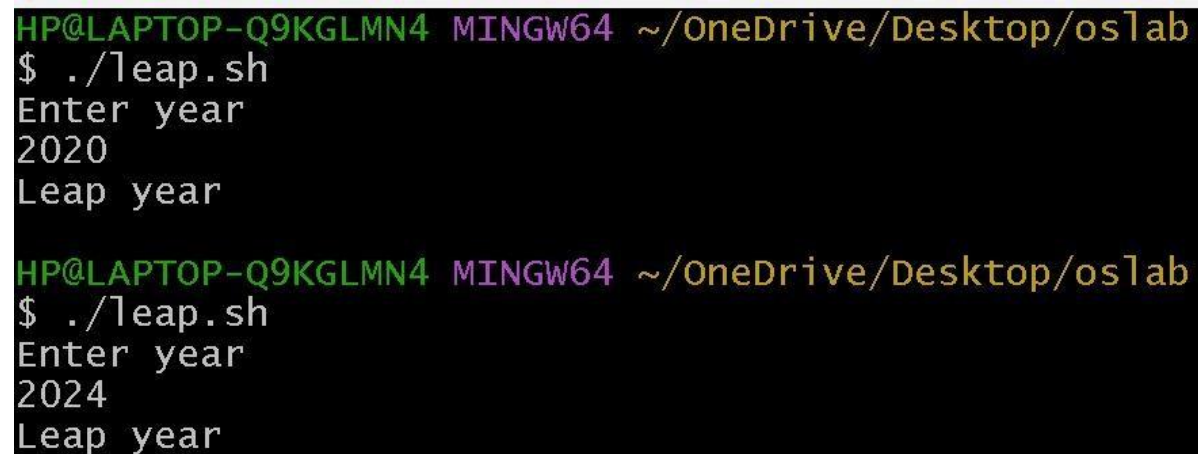
**ROLL NO: 230701173**

#### 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
```