

## **LEAP YEAR OR NOT**

### **PROGRAM CODE:**

```
Year=int(input("Enter the year:"))  
if(Year%4==0):  
    print("The given Year is Leap Year")  
else:  
    print("The given Year is not Leap Year")
```

### **OUTPUT:**

- Enter the year:20000  
The given Year is Leap Year
- Enter the year:2018  
The given Year is not Leap Year

## **READ A CHARACTER AND PRINT U IF UPPER**

### **PROGRAM CODE:**

```
str1=input("Enter the character:")
print("Checking if the string is upper",str1)
if str1.isupper():
    print("U")
else:
    print("Not upper")
```

### **OUTPUT:**

- Enter the character:S  
Checking if the string is upper S  
U
- Enter the character:d  
Checking if the string is upper d  
Not upper

## **TOTAL SALARY WITH BONUS CALCULATION**

### **PROGRAM CODE:**

```
Salary=int(input("Enter value:"))
print("Salary:",Salary)
gender=str(input("enter M or F"))
if gender=="M":
    bonus=Salary*(10/100)
    print("bonus:",bonus)
    print("total:",Salary+bonus)
else:
    bonus=Salary*(12/100)
    print("bonus:",bonus)
    print("total:",Salary+bonus)
```

### **OUTPUT:**

- Enter value:2000  
Salary: 2000  
enter M or FF  
bonus: 240.0  
total: 2240.0
- Enter value:78965  
Salary: 78965  
enter M or FM  
bonus: 7896.5  
total: 86861.5

## **POSITIVE ,NEGATIVE OR ZERO**

### **PROGRAM CODE:**

```
n=int(input("Enter the number:"))
if n>0:
    print("It is positive number")
elif n<0:
    print("It is negative number")
else:
    print("It is zero")
```

### **OUTPUT:**

- Enter the number:3  
It is positive number
- Enter the number:-7  
It is negative number
- Enter the number:0  
It is zero

## **READ A CHARACTER FRPM THE USER,CHANGE INTO UPPER/LOWER**

### **PROGRAM CODE:**

```
ch=str(input("Enter the character:"))
if ch.isupper():
    print(ch.lower())
else:
    print(ch.upper())
```

### **OUTPUT:**

- Enter the character:d  
D
- Enter the character:N  
n

## **CALCLATING THE BONUS,TOTAL AMOUNT**

### **PROGRAM CODE:**

```
Salary=int(input("Enter the salary:"))
print("salary:",Salary)
if Salary>10000:
    bonus=Salary*(10/100)
    print("bonus:",bonus)
    print("total:",Salary+bonus)
else:
    bonus=Salary*(12/100)
    print("bonus:",bonus)
    print("total:",Salary+bonus)
```

### **OUTPUT:**

- Enter the salary:12000  
salary: 12000  
bonus: 1200.0  
total: 13200.0
- Enter the salary:5600  
salary: 5600  
bonus: 672.0  
total: 6272.0