

## ODD OR EVEN

### AIM :

To check whether the given number is odd or even.

### PROGRAM :

```
#To Check Whether The Given Number Is Odd Or Even
```

```
num = int(input("Enter a number : "))
```

```
if (num%2==0):
```

```
    print("Even Number")
```

```
else:
```

```
    print("Odd Number")
```

### OUTPUT :

```
Enter a number : 1
```

```
Odd Number
```

```
Enter a number : 2
```

```
Even Number
```

## STUDENT GRADE ANALYSIS

### AIM :

To calculate student grade analysis.

### PROGRAM :

```
#To Calculate Student Grade Analysis
```

```
m1 = int(input("Enter Mark 1 : "))
```

```
m2 = int(input("Enter Mark 2 : "))
```

```
m3 = int(input("Enter Mark 3 : "))
```

```
total = m1 + m2 + m3
```

```
avg = total/3
```

```
if (avg > 90):
```

```
    print("Grade O")
```

```
elif (90 > avg >= 80):
```

```
    print("Grade A+")
```

```
elif (80 > avg >= 70):
```

```
    print("Grade A")
```

```
elif (70 > avg >= 60):
```

```
    print("Grade B+")
```

```
elif (60 > avg >= 50):
```

```
    print ("Grade B")
```

```
else:
```

```
    print("Grade U")
```

### OUTPUT :

```
Enter Mark 1 : 77
```

```
Enter Mark 2 : 89
```

```
Enter Mark 3 : 92
```

```
Grade A+
```

## ALPHABET OR DIGIT OR SPACE

### AIM :

To check whether the given character is alphanumeric or digit or space.

### PROGRAM :

#To Check Whether The Given Character Is Alphabet, Number Or Space

```
ch = input("Enter character : ")
if ((ch >= 'a' and ch <= 'z') or (ch >= 'A' and ch <= 'Z')):
    print("Alphabet")
elif (ch >= '0' and ch <= '9'):
    print("Digit")
else:
    print("Space")
```

### OUTPUT :

Enter character : A

Alphabet

Enter character : a

Alphabet

Enter character : 123

Digit

Enter character :

Space

## POSITIVE OR NEGATIVE OR ZERO

### AIM :

To check whether the given number is positive or negative or zero.

### PROGRAM :

# To Check Whether The Given Character Is Positive, Negative Or Zero

```
num = int(input("Enter a number : "))
```

```
if (num > 0):
```

```
    print("Positive Number")
```

```
elif (num == 0):
```

```
    print("Zero")
```

```
else:
```

```
    print("Negative Number")
```

### OUTPUT :

Enter a number : -1

Negative Number

Enter a number : 0

Zero

Enter a number : 1

Positive Number

## **UPPER OR LOWER**

### **AIM :**

To read a character from the user and change into upper or lower.

### **PROGRAM :**

```
chr = input("Enter Character : ")  
print("UpperCase : ",chr.upper())  
print("LowerCase : ",chr.lower())
```

### **OUTPUT :**

Enter Character : Python

UpperCase : PYTHON

LowerCase : python

## TOTAL SALARY WITH BONUS CALCULATION

### AIM :

To calculate total salary with bonus calculations.

### PROGRAM :

```
slry = int(input("Enter Your Salary : "))
```

```
if (slry < 10000):
```

```
    print("Your Salary : ",slry)
```

```
    bs = slry*(10/100)
```

```
    print("Bonus : 10%")
```

```
    print("Total Salary : ",bs+slry)
```

```
elif (slry > 10000):
```

```
    print("Your Salary : ",slry)
```

```
    bs = slry*(12/100)
```

```
    print("Bonus : 12%")
```

```
    print("Total Salary : ",bs+slry)
```

### OUTPUT :

Enter Your Salary : 8500

Your Salary : 8500

Bonus : 10%

Total Salary : 9350.0

Enter Your Salary : 12550

Your Salary : 12550

Bonus : 12%

Total Salary : 14056.0