**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 alphaber or digit or space.

**PROGRAM :**

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

ch = input("Enet 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 Whther The Given Character Is Postive, 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