**Ex.no: 3(a) ODD OR EVEN**

**PROGRAM:**

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

if num%2==0:

print("The number is even")

else:

print("The number is odd")

**OUTPUT 1:**

Enter a number: 7

The number is odd

**OUTPUT 2:**

Enter a number: 12

The number is even

**Ex.no: 3(b) STUDENT GRADE ANALYSIS**

**PROGRAM:**

mark = int(input(("Enter the marks: ")))

if mark >= 90:

print("O Grade")

elif mark >= 80 and mark < 90:

print("A+ Grade")

elif mark >= 70 and mark < 80:

print("A Grade")

elif mark >= 60 and mark < 70:

print("B+ Grade")

elif mark >= 50 and mark < 60:

print("B Grade")

elif mark < 50:

print("U Grade")

**OUTPUT 1:**

Enter the marks: 45

U Grade

**OUTPUT 2:**

Enter the marks: 92

O Grade

**Ex.no: 3(c) READ A CHARCTER AND CHECK GIVEN CHARCTER IS ALPHABET, NUMBER , SPACE**

**PROGRAM:**

char = input("Enter a character: ")

if char.isalpha():

print("The character is an alphabet")

elif char.isdigit():

print("The character is a digit")

elif char.isspace():

print("The character contains space")

**OUTPUT 1:**

Enter a character: t

The character is an alphabet

**OUTPUT 2:**

Enter a character: 4

The character is a digit

**Ex.no: 3(d) POSITIVE/NEGATIVE/ZERO**

**PROGRAM:**

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

if (num > 0):

print("The number is positive")

elif (num < 0):

print("The number is negative")

else:

print("The number is 0")

**OUTPUT 1:**

Enter a number : 7

The number is positive

**Ex.no: 3(e) READ THE CHARACTER FROM THE USER AND CHANGE INTO UPPER/ LOWER**

**PROGRAM:**

char = input("Enter the character: ")

if (char.isupper())== True:

print(char.lower())

elif (char.islower())== True:

print(char.upper())

**OUTPUT 1:**

Enter the character: engineering

ENGINEERING

**OUTPUT 2:**

Enter the character: COMPUTER

computer

**Ex.no: 3(f) BONUS CALCULATION**

**PROGRAM:**

sal = int(input("Enter the salary: "))

if sal > 10000:

bonus = 0.1 \* sal

total\_amt = sal + bonus

print("Salary is : ",sal)

print("Bonus is : ",bonus)

print("Total amount is: ",total\_amt)

else:

bonus = 0.12 \* sal

total\_amt = sal + bonus

print("Salary is : ",sal)

print("Bonus is : ",bonus)

print("Total amount is: ",total\_amt)

**OUTPUT 1:**

Enter the salary: 15000

Salary is : 15000

Bonus is : 1500.0

Total amount is: 16500.0

**OUTPUT 2:**

Enter the salary: 5000

Salary is : 5000

Bonus is : 600.0

Total amount is: 5600.0