PYTHON PROGRAMMING ASSIGNMENT:-4

Q.N.1:-     Write a Python program that takes a number as input and prints "Even" if the number is even and "Odd" if it's odd.

Code:-

# Input from user

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

#Check number is Even or Odd

if(n%2==0):

print("Number is Even")

else:

print("Number is Odd")

Output:-

Enter a number:9876567890

Number is Even

Q.N.2:-      Create a Python program that checks whether a person is eligible to vote (18 years or older) based on their age.

Code:-

Age=int(input("Enter the Age:"))

if Age>=18: #Relational operator

print("Eligible For Vote")

else:

Age<18 #Relational Operator

print("Sorry,Not Eligible For Vote")

Output:-

Enter the Age:18

Eligible For Vote

Q.N.3:-      Write a Python program that determines if a given year is a leap year or not.

Code:-

year = int(input("Enter a year: "))

if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):

print("year is a leap year")

else:

print("year is not a leap year")

Output:-

Enter a year: 2020

year is a leap year

Q.N.4:-      Create a Python program that checks if a user-given number is positive, negative, or zero.

Code:-

n=float(input("Enter the number:"))

if n>0: #Relational operator

print("Positive number")

elif n<0: #Relational operator

print("Negative")

else:

print("Zero")

Output:-

Enter the number:9

Positive number

Q.N.5:-      Write a Python program that determines the largest of three numbers entered by the user.

Code:-

a=float(input("Enter the first number:"))

b=float(input("Enter the second number:"))

c=float(input("Enter the third number:"))

if a>=b and a>=c: #realtional operator

print("a is greatest number:",a)

elif b>=a and b>=c: #realtional operator

print("b is greatest number:",b)

else:

print("C is greatest number:",c)

Output:-

Enter the first number:9

Enter the second number:8

Enter the third number:10

C is greatest number: 10.0