**ASSIGNMENT 2:**

**Module 3: Control Structures in Python**

**Task 1: Check if a Number is Even or Odd**

**Problem Statement:** Write a Python program that:

1. Takes an integer input from the user.

2. Checks whether the number is even or odd using an if-else statement.

3. Displays the result accordingly.

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

if(a/2==0):

print(a," is Even Number")

else:

print(a," is Odd Number")

Output



**Task 2: Sum of Integers from 1 to 50 Using a Loop**

**Problem Statement:** Write a Python program that:

1.   Uses a **for loop** to iterate over numbers from **1 to 50**.

2.   Calculates the **sum** of all integers in this range.

3.   Displays the final sum.

sum = 0

for i in range(1, 51):

sum += i

print("The sum of integers from 1 to 50 is:", sum)

Output

