

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.

Expected Output:

The program should return an output like:

```
Enter a number: 7
7 is an odd number.
```

```
Enter a number: 12
12 is an even number.
```

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.

Expected Output:

The program should return:

```
python
```

```
The sum of numbers from 1 to 50 is: 1275
```