

## **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
```

### **Submission Instructions:**

- Create a **GitHub repository** and upload your Python scripts (.py files).
- Ensure the repository includes a **README.md** file that describes the functionality of your programs.
- Add both **Task 1 and Task 2** scripts in the same repository.
- Submit the **link to your GitHub repository** once uploaded.

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### **Reference:**

Follow the **Python course - Module 3: Control Structures in Python** for additional guidelines and examples.

### **Note:**

**Please test your project thoroughly and check all the validations and error handling prior to ensure it works as expected before submission.**

**You can always connect to the mentor using the chat support option for any doubts or queries!**