

## ASSIGNMENT 1:

### Module 2: Basic Python Concepts

#### Task 1: Perform Basic Mathematical Operations

**Problem Statement:** Write a Python program that does the following:

1. Takes two numbers as input from the user.
2. Performs the basic mathematical operations on these two numbers:
  - Addition
  - Subtraction
  - Multiplication
  - Division
3. Displays the results of each operation on the screen.

**Expected Output:**

The output should include the result of each operation performed, for example:

```
Enter the first number: 5
Enter the second number: 10

Addition: 15
Subtraction: -5
Multiplication: 50
Division: 0.5
```

## **Task 2: Create a Personalized Greeting**

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

1. Takes a user's first name and last name as input.
2. Concatenates the first name and last name into a full name.
3. Prints a personalized greeting message using the full name.

**Expected Output:**

The program should output a greeting like:

```
Enter your first name: John
Enter your last name: Doe

Hello, John Doe! Welcome to the Python program.
```

**Submission Instructions:**

- Please watch the following video and follow the steps shown in it to complete your assignment: **Video Link:** <https://drive.google.com/file/d/1W7zBA-jT-4hc-pmCEpHLMEO6GipFPv5/view>
- 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 2: Basic Python Concepts** 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!**