

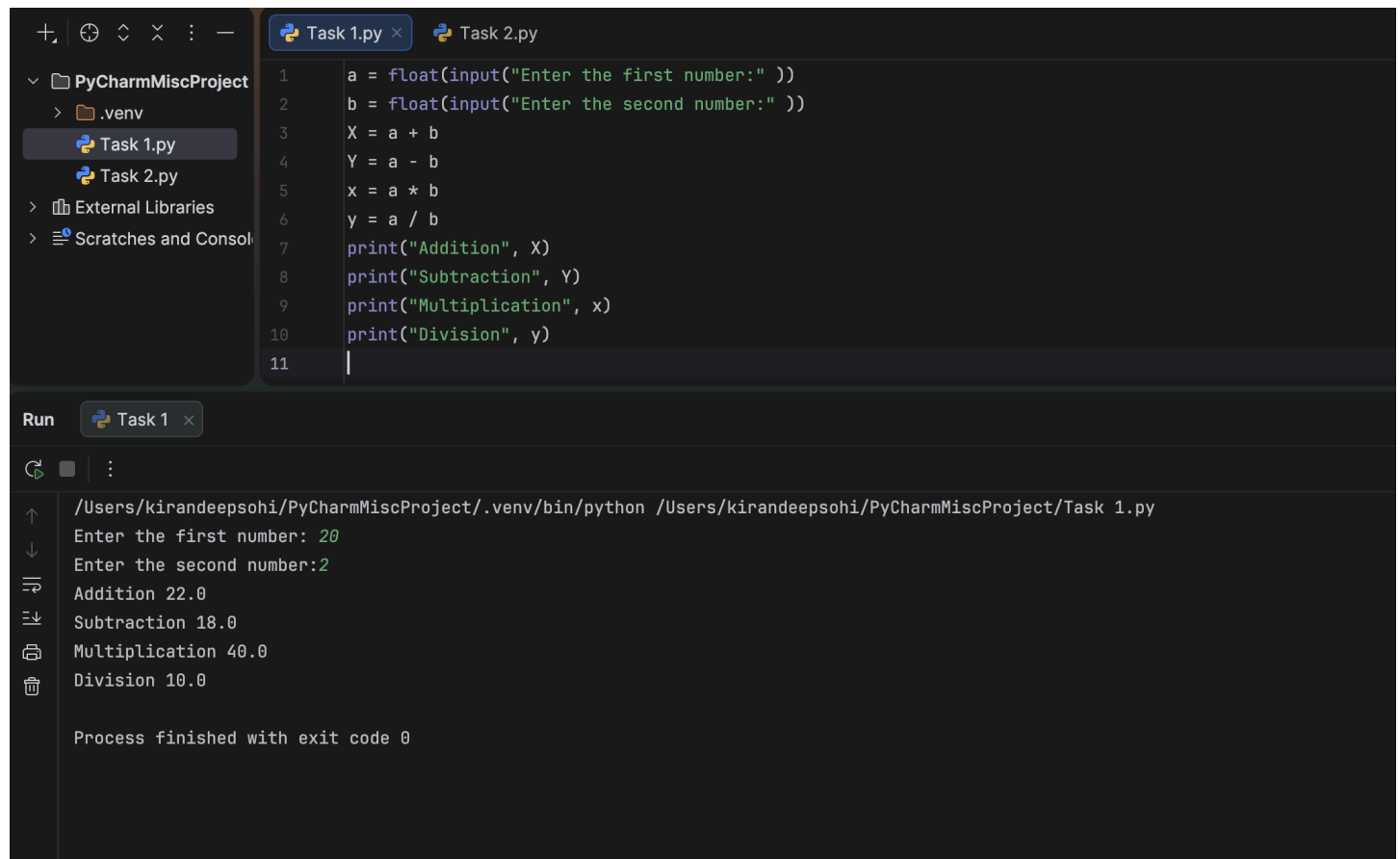
# ASSIGNMENT 1:

## 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.



The screenshot displays the PyCharm IDE interface. The top pane shows the code for `Task 1.py`:

```
1 a = float(input("Enter the first number:" ))
2 b = float(input("Enter the second number:" ))
3 X = a + b
4 Y = a - b
5 x = a * b
6 y = a / b
7 print("Addition", X)
8 print("Subtraction", Y)
9 print("Multiplication", x)
10 print("Division", y)
11
```

The bottom pane shows the output of the program:

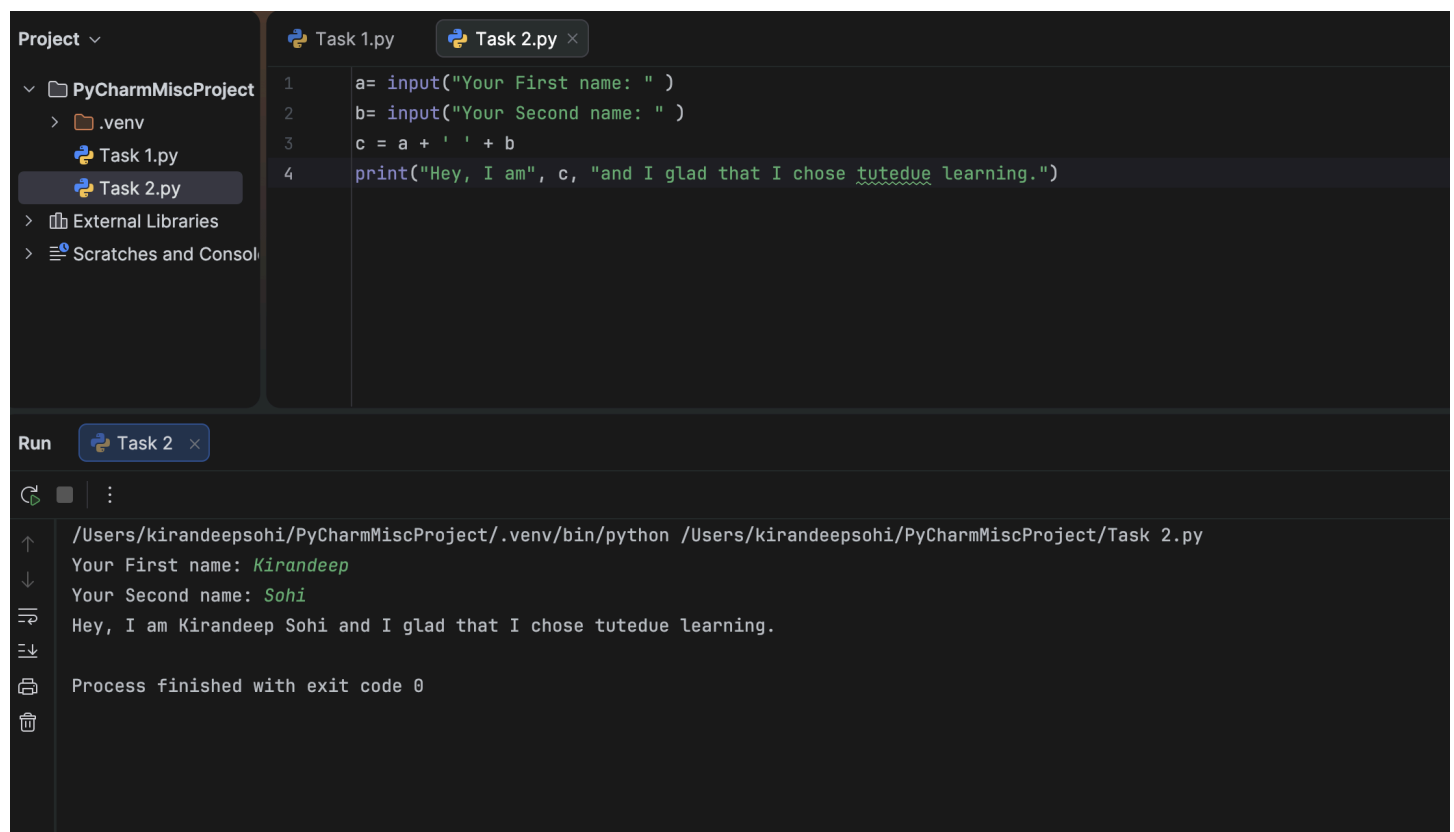
```
Run Task 1
/Users/kirandeepsohi/PyCharmMiscProject/.venv/bin/python /Users/kirandeepsohi/PyCharmMiscProject/Task 1.py
Enter the first number: 20
Enter the second number: 2
Addition 22.0
Subtraction 18.0
Multiplication 40.0
Division 10.0

Process finished with exit code 0
```

## 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.



The screenshot displays the PyCharm IDE interface. The left sidebar shows the project structure for 'PyCharmMiscProject', including a '.venv' directory and two Python files: 'Task 1.py' and 'Task 2.py'. The main editor window is open to 'Task 2.py', showing the following code:

```
1 a= input("Your First name: " )
2 b= input("Your Second name: " )
3 c = a + ' ' + b
4 print("Hey, I am", c, "and I glad that I chose tutedue learning.")
```

Below the editor, the 'Run' tab is active, showing the execution of 'Task 2'. The output console displays the following text:

```
/Users/kirandeepsohi/PyCharmMiscProject/.venv/bin/python /Users/kirandeepsohi/PyCharmMiscProject/Task 2.py
Your First name: Kirandeep
Your Second name: Sohi
Hey, I am Kirandeep Sohi and I glad that I chose tutedue learning.
Process finished with exit code 0
```