

ASSIGNMENT 1:

Module 2: Basic Python Concepts

Task 1: Perform Basic Mathematical Operations

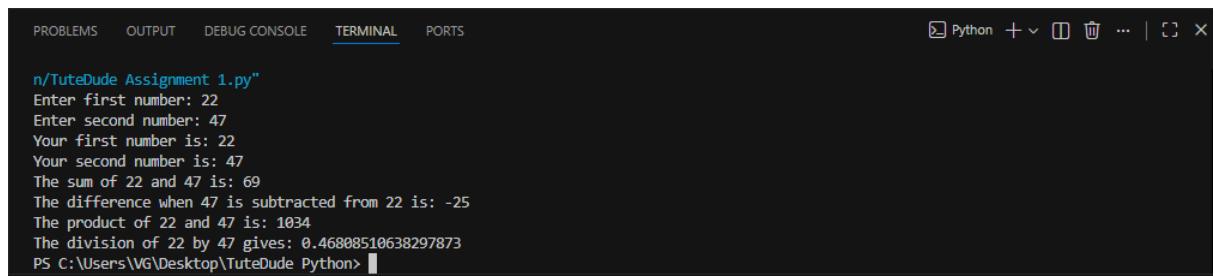
Problem Statement: Write a Python program that does the following:

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.

Code:

```
2
3 num1 = int(input("Enter first number: "))
4 num2 = int(input("Enter second number: "))
5
6 print("Your first number is:", num1)
7 print("Your second number is:", num2)
8
9 # Addition
10 sum_result = num1 + num2
11 print("The sum of", num1, "and", num2, "is:", sum_result)
12
13 # Subtraction
14 diff_result = num1 - num2
15 print("The difference when", num2, "is subtracted from", num1, "is:", diff_result)
16
17 # Multiplication
18 prod_result = num1 * num2
19 print("The product of", num1, "and", num2, "is:", prod_result)
20
21 # Division
22 div_result = num1 / num2
23 print("The division of", num1, "by", num2, "gives:", div_result)
24
```

Output:



A screenshot of a terminal window titled "Python". The window has tabs at the top: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS. The terminal content shows the execution of a Python script named "Assignment 1.py". The script prompts the user for two numbers, 22 and 47, and then calculates their sum, difference, product, and division. The output is as follows:

```
n/TuteDude Assignment 1.py"
Enter first number: 22
Enter second number: 47
Your first number is: 22
Your second number is: 47
The sum of 22 and 47 is: 69
The difference when 47 is subtracted from 22 is: -25
The product of 22 and 47 is: 1034
The division of 22 by 47 gives: 0.46808510638297873
PS C:\Users\VG\Desktop\TuteDude Python>
```

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.

Code:

```
27 fname = input("Enter your first name: ")  
28 lname = input("Enter your last name: ")  
29  
30 print(["Hello", fname, lname + "!"])
```

Output: