Python Chapter 2: Math

Contents

Red light, No AI

Time required: 60 minutes

- Comment each line of code as shown in the tutorials and other code examples.
- Follow all directions carefully and accurately.
- Think of the directions as minimum requirements.

Math Operators and Operands

Symbol	Operation	Example	Description
+	Addition	a + b	Adds two numbers
–	Subtraction	a – b	Subtracts one number from another
-	Negation	- a	Change sign of operand
*	Multiplication	a * b	Multiplies one number by another
/	Division	a / b	Divides one number by another and gives the result as a floating-point number

//	Integer division	a // b	Divides one number by another and gives the result as a whole number
%	Remainder or Modulus	a % b	Divides one number by another and gives the remainder
**	Exponent	a ** b	Raises a number to a power

Pseudocode

1. Write pseudocode or TODO for the exercise
2. Submit with the assignment

Requirements

Write a Python program that asks a user for 2 float numbers.

Create a Python program named **math_1.py** that performs the following operations and shows the results.

NOTE: You cannot name a Python program math.py as that will conflict with the built in Python math module.

1. Add numbers
2. Subtract numbers
3. Multiply numbers
4. Divide numbers
5. Integer division
6. Modulus result
7. Calculate average
8. Display the operations and answers as shown below.

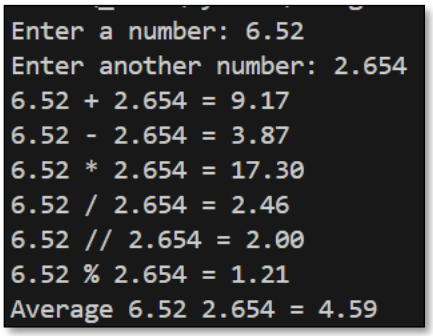
TODO

```
# TODO: Get two float numbers from the user

# TODO: Perform math operations and assign the result to a unique variable

# TODO: Display the result of each calculation to 2 decimal points
```

Example run:



Assignment Submission

1. Attach the pseudocode.
2. Attach the program files.
3. Attach screenshots showing the successful operation of the program.
4. Submit in Blackboard.