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## **Exercise 1**

Finger Exercises due Aug 6, 2020 01:30 CEST

Exercise 1

2/6 points (graded) ESTIMATED TIME TO COMPLETE: 12 minutes Note that you will have to answer all questions before you can click the Check button.

## Part 1: Function Types

For each of the following functions, specify the type of its **return**. You can assume each function is called with an appropriate argument, as specified by its docstring.

If the output can be either an int or a float, select num, which isn't a real Python type, but which we'll use to indicate that either basic numeric type is legal.

In fact, in Python, booleans True and False can be operated on as if they were the integers 1 and 0; but it is ugly and confusing to take advantage of this fact, and we will resolutely pretend that it isn't true.

What are those lines under the function definitions?

Indicate the type of the output that the function **a** will yield.

num

Answer: num

Indicate the type of the output that the function **b** will yield.

float

Answer: float

Indicate the type of the output that the function c will yield.

num 🖌 🖌 Answer: num

Indicate the type of the output that the function **d** will yield.

boolean Answer: boolean

Indicate the type of the output that the function e will yield.

boolean

Answer: boolean

Indicate the type of the output that the function **f** will yield.

NoneType

Answer: NoneType

## **Explanation:**

The last function, unlike the other ones, does not have a return statement. It only does an operation (the operation is x+y-2). Since it does not explicitly return anything, Python by default returns the value None whose type is NoneType. So this function and any other that does not have a return statement can be rewritten as:



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