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## Exercise 3

Finger Exercises due Aug 5, 2020 20:30 -03 *Completo*

### Exercise 3

8/8 points (graded)

**ESTIMATED TIME TO COMPLETE: 8 minutes**

**Note that you will have to answer all questions before you can click the Check button.**

Below is a transcript of a session with the Python shell. Provide the type and value of the expressions being evaluated. If evaluating an expression would cause an error, select NoneType and write 'error' in the box. If the result is a function, select function and write 'function' in the box. As always, try to do this problem by hand before turning to your interpreter.

Assume the following definitions have been made:

```
def a(x, y, z):  
    if x:  
        return y  
    else:  
        return z  
  
def b(q, r):  
    return a(q>r, q, r)
```

1.



✓ Answer: int



✓ Answer: 3

2. `b(3, 2)`

✓ Answer: int

✓ Answer: 3

3. `a(3>2, a, b)`

✓ Answer: function

✓ Answer: function

4. `b(a, b)`

✓ Answer: NoneType

✓ Answer: error

For the last function call, in Python 3.5 it is illegal to compare functions.

**i** Answers are displayed within the problem

## Exercise 3

**Topic:** Lecture 4 / Exercise 3

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? [I have a question for number 2](#)

3

[Why would the answer only return q when the function returns a\(q>r,q,r\).](#)

? [if x:](#)

[does "if x:" mean the same as "if x == True:"? is this just a shortcut like "x = x+1" and "x+=1" or is ther...](#)

1 new



?	<a href="#">can someone help me with Question 3 ?</a>	4 new_
	I did my best to understand question 3 , a(3>2, a, b) but I couldn't find the solution or get to the poin...	
💬	<a href="#">Question 3: just the function?</a>	2
	Hi all, I might be missing some syntax here but for question 3 I just answered "a" since the expressio...	▼
?	<a href="#">Question 3: Syntax for functions</a>	2
	I thought a function's name has always to be followed by a pair of parenthesis? So I would expect a(3>...	▼
?	<a href="#">Question for #1</a>	2 new_
	I don't really understand why the code doesn't execute if False statement? Is that because it assume...	
💬	<a href="#">Question 4</a>	5
	Hello! Could someone please explain why Question 4 is Nonetype and Error?	▼
?	<a href="#">Question 3 (SPOILER)</a>	3
	I got that the function would return the function a, as it is in the second position. So what's wrong wi...	▼
?	<a href="#">Question2</a>	1 new_ 9
	Initially, I thought the answer would be 3>2 , 3, 2 . Could you clarify me why I am wrong, please?	▼
?	<a href="#">[spoiler] Code function in interpreter</a>	4 new_ 7
	Please, can you explain me how to code exercise # 1 in the interpreter to check the answer? Thx!	▼
?	<a href="#">Question 4 (Spoiler)</a>	6
	I thought it would be a(false, a, b) and then it would result in the function b, but that's not right. Can...	▼
?	<a href="#">Question 3 (Spoiler)</a>	3
	Hello! Can someone clarify why does a(3>2, a, b).gives out a function? I thought the answer would be...	▼

