edX

Curso > Week 2... > 4. Func... > Exercis...

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Exercise 2

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

Exercise 2

14/14 points (graded)
ESTIMATED TIME TO COMPLETE: 12 minutes
Note that you will have to answer all questions before you can click the Check button.

Transcript

You have the following function definitions:

```python
def a(x):
    '''
    x: int or float.
    '''
    return x + 1

def b(x):
    '''
    x: int or float.
    '''
    return x + 1.0

def c(x, y):
    '''
    x: int or float.
    y: int or float.
    '''
    return x + y

def d(x, y):
    '''
    x: Can be of any type.
    y: Can be of any type.
    '''
    return x > y

def e(x, y, z):
    '''
    x: Can be of any type.
    y: Can be of any type.
    z: Can be of any type.
    '''
    return x >= y and x <= z

def f(x, y):
    '''
    x: int or float.
    y: int or float
    '''
    x + y - 2
```

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 value of an expression is a function, select function as the type and write 'function' in the box.

1. `a(6)`

int ⌄   ✔ **Answer:** int   ✎

7   ✔ **Answer:** 7

2. `a(-5.3)`

float   ✔ **Answer:** float

-4.3   ✔ **Answer:** -4.3

3. `a(a(a(6)))`

int   ✔ **Answer:** int

9   ✔ **Answer:** 9

4. `c(a(1), b(1))`

float   ✔ **Answer:** float

4.0   ✔ **Answer:** 4.0

5. `d('apple', 11.1)`

NoneType   ✔ **Answer:** NoneType

error   ✔ **Answer:** error

6. `e(a(3), b(4), c(3, 4))`

boolean   ✔ **Answer:** boolean

False   ✔ **Answer:** False

7. `f`

function   ✔ **Answer:** function

function

✔ **Answer:** function

Enviar

ℹ Answers are displayed within the problem

Exercise 2

Ocultar discussão

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? **Spoiler Q7**
please give me a long detailed explain why the correct answer is to write function in the box iam stu... — **3**

💬 **4**
How is #4 4.0? — **2**

? **Question 7**
I did not quite understand what is the reason behind the answer to question 7. How did it evaluate? ... — **5 new**

💬 **question 6**
why is question 6 just false acccording to me it should be false and true since first expression evalua... — **7**

💬 **hyper sensitive grader**
error without ' ' False with CAPITAL F and when choosing function remember not to put the function ... — **3**

💬 **capitalization False and True**
Don't forget! Make sure you capitalize False and True for your answers in the grader. false or true (lo... — **2**

☑ **value Question 7 (SPOILER)**
I don't quite understand why the correct value for question 7 isn't simply "f" instead of "function" sin... — **7**

💬 **" " in Grader marking answers incorrectly**
Hello, why is the grader marking the answers with "" incorrectly: The instructions are: If evaluating a... — **4**

✎