edX

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

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Exercise 5

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

Exercise 5

4/4 points (graded)
ESTIMATED TIME TO COMPLETE: 10 minutes

Enter the value of the expressions below.

To get the most out of this problem, try to figure out the answers by reading the code, not running it. Run the code only after you've used up a few of your checks.
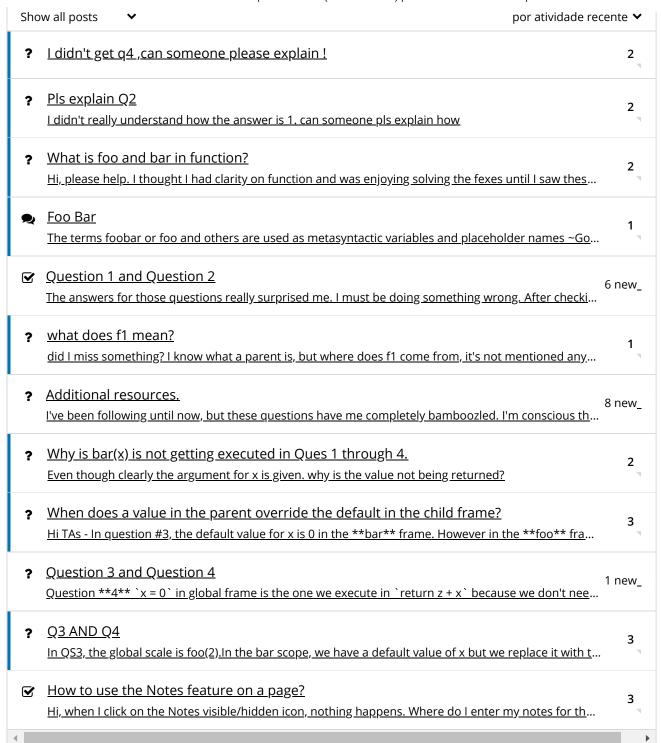
Hint: If you are confused, you may find it helpful to draw out an environment diagram similar to what was presented in lecture.

1.
```
def foo(x, y = 5):
    def bar(x):
        return x + 1
    return bar(y * 2)

foo(3)
```

11   ✔ **Answer:** 11

2.

✏

```
def foo(x, y = 5):
    def bar(x):
        return x + 1
    return bar(y * 2)

foo(3, 0)
```

| 1 | ✔ **Answer:** 1 |

3.
```
def foo (x):
    def bar (z, x = 0):
        return z + x
    return bar(3, x)

foo(2)
```

| 5 | ✔ **Answer:** 5 |

4.
```
def foo (x):
    def bar (z, x = 0):
        return z + x
    return bar(3)

foo(5)
```

| 3 | ✔ **Answer:** 3 |

[Enviar]

ⓘ   Answers are displayed within the problem

Exercise 5

[**Ocultar discussão**]

Topic: Lecture 4 / Exercise 5

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? I didn't get q4 ,can someone please explain !

2

? Pls explain Q2
I didn't really understand how the answer is 1. can someone pls explain how

2

? What is foo and bar in function?
Hi, please help. I thought I had clarity on function and was enjoying solving the fexes until I saw thes...

2

💬 Foo Bar
The terms foobar or foo and others are used as metasyntactic variables and placeholder names ~Go...

1

☑ Question 1 and Question 2
The answers for those questions really surprised me. I must be doing something wrong. After checki...

6 new

? what does f1 mean?
did I miss something? I know what a parent is, but where does f1 come from, it's not mentioned any...

1

? Additional resources.
I've been following until now, but these questions have me completely bamboozled. I'm conscious th...

8 new

? Why is bar(x) is not getting executed in Ques 1 through 4.
Even though clearly the argument for x is given. why is the value not being returned?

2

? When does a value in the parent override the default in the child frame?
Hi TAs - In question #3, the default value for x is 0 in the **bar** frame. However in the **foo** fra...

3

? Question 3 and Question 4
Question **4** `x = 0` in global frame is the one we execute in `return z + x` because we don't nee...

1 new

? Q3 AND Q4
In QS3, the global scale is foo(2).In the bar scope, we have a default value of x but we replace it with t...

3

☑ How to use the Notes feature on a page?
Hi, when I click on the Notes visible/hidden icon, nothing happens. Where do I enter my notes for th...

3

✎