edX

Curso > Week 3... > 5. Tupl... > Exercis...

Audit Access Expires 5 de ago de 2020
You lose all access to this course, including your progress, on 5 de ago de 2020.

Exercise 5

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

Exercise 5

3/3 points (graded)
ESTIMATED TIME TO COMPLETE: 4 minutes

Here is a different piece of code for working with lists:
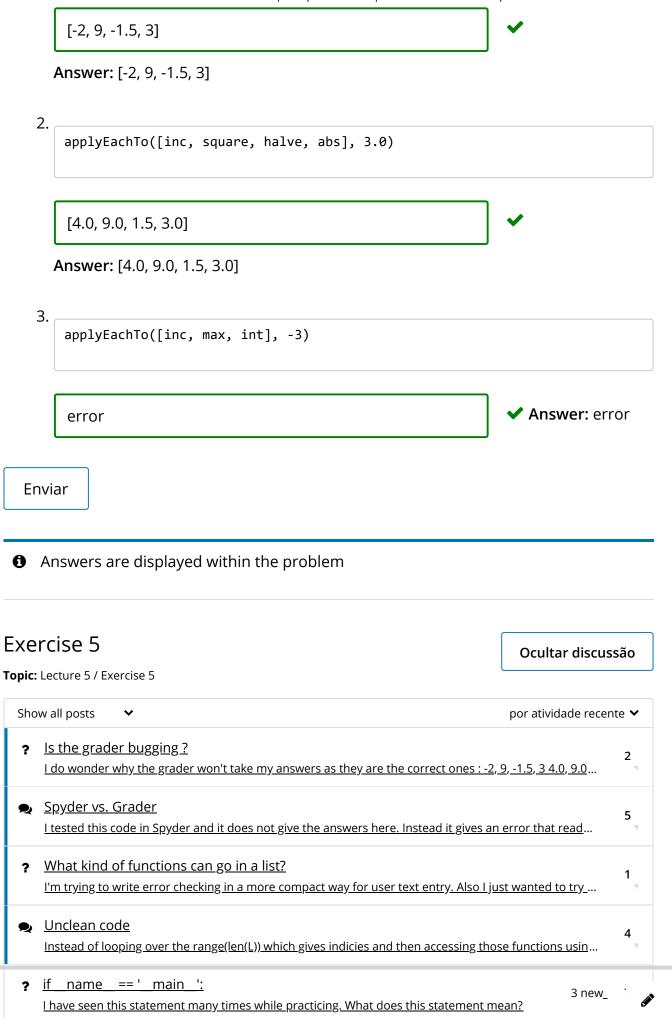
```
def applyEachTo(L, x):
    result = []
    for i in range(len(L)):
        result.append(L[i](x))
    return result
```

Suppose that you are given the following functions:

```
def square(a):
    return a*a

def halve(a):
    return a/2

def inc(a):
    return a+1
```

For each of the following questions, indicate what value is returned. If you believe that an error will occur, write the word 'error'.

1.
```
applyEachTo([inc, square, halve, abs], -3)
```

✎

[-2, 9, -1.5, 3]   ✔

Answer: [-2, 9, -1.5, 3]

2.

```
applyEachTo([inc, square, halve, abs], 3.0)
```

[4.0, 9.0, 1.5, 3.0]   ✔

Answer: [4.0, 9.0, 1.5, 3.0]

3.

```
applyEachTo([inc, max, int], -3)
```

error   ✔ **Answer:** error

Enviar

ℹ   Answers are displayed within the problem

Exercise 5

Topic: Lecture 5 / Exercise 5

Ocultar discussão

Show all posts ⌄		por atividade recente ⌄
?	**Is the grader bugging ?** I do wonder why the grader won't take my answers as they are the correct ones : -2, 9, -1.5, 3 4.0, 9.0…	2
💬	**Spyder vs. Grader** I tested this code in Spyder and it does not give the answers here. Instead it gives an error that read…	5
?	**What kind of functions can go in a list?** I'm trying to write error checking in a more compact way for user text entry. Also I just wanted to try …	1
💬	**Unclean code** Instead of looping over the range(len(L)) which gives indicies and then accessing those functions usin…	4
?	**if __name__ == '__main__':** I have seen this statement many times while practicing. What does this statement mean?	3 new_

✏

? **Does anyone know why the last question returns an error?**

Why is "int" function not iterable?

10

💬 **Spider doesnt recognise inc halve and square functions**

Why is this happening? What should i import?

3

? **Full code**

Could somebody provide me with a proper code to check every step on PythonTutor? I do not really ...

5

? **can someone help explain what result.append(L[i](x)) does?**

can someone help explain what result.append(L[i](x)) does? I'm stuck I don't get this code does, but ...

3

? **Does anyone know why the last question returns an error?**

Why is "int" function not iterable?