

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

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Exercise: apply to each

Exercise: apply to each 1

5.0/5.0 points (graded)

ESTIMATED TIME TO COMPLETE: 2 minutes

Here is the code for a function applyToEach:

```
def applyToEach(L, f):
    for i in range(len(L)):
        L[i] = f(L[i])
```

Assume that

```
testList = [1, -4, 8, -9]
```

For each of the following questions (which you may assume is evaluated independently of the previous questions, so that testList has the value indicated above), provide an expression using applyToEach, so that after evaluation testList has the indicated value. You may need to write a simple procedure in each question to help with this process.

Example Question:

```
>>> print(testList)
[5, -20, 40, -45]
```

Solution to Example Question



```
>>> print(testList)
[1, 4, 8, 9]
```

```
1 # Your Code Here
2 def timesFive(a):
     return abs(a)
4 applyToEach(testList, timesFive)
```

Press ESC then TAB or click outside of the code editor to exit

Correta

```
applyToEach(testList, abs)
```

Test results



Enviar

1 Answers are displayed within the problem

Exercise: apply to each 2

5.0/5.0 points (graded)

ESTIMATED TIME TO COMPLETE: 4 minutes

```
>>> print(testList)
[2, -3, 9, -8]
```

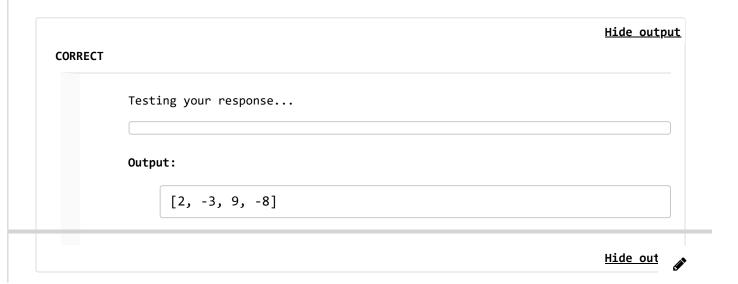
```
1 # Your Code Here
2 def minhafuncao(a):
     return a + 1
4 applyToEach(testList, minhafuncao)
```

Press ESC then TAB or click outside of the code editor to exit

Correta

```
def inc(a):
    return a+1
applyToEach(testList, inc)
```

Test results



Enviar

Answers are displayed within the problem

Exercise: apply to each 3

5.0/5.0 points (graded)

ESTIMATED TIME TO COMPLETE: 4 minutes

```
>>> print testList
[1, 16, 64, 81]
```

```
1 # Your Code Here
2 def minhafuncao(a):
     return a ** 2
4 applyToEach(testList, minhafuncao)
```

Press ESC then TAB or click outside of the code editor to exit

Correta

```
def square(a):
    return a * a
applyToEach(testList, square)
```

Test results

```
<u>Hide output</u>
CORRECT
            Testing your response...
```

Output:

[1, 16, 64, 81]

Hide output

Enviar

1 Answers are displayed within the problem

Exercise: apply to each

Topic: Lecture 5 / Exercise: apply to each

Ocultar discussão

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Whoosh! Can't even begin to understand the question, so I thought I would run the example code,	1 new_ but it crash
Spyder doesnt agree with grader, grader doesnt agree with spyder I ran my code and got the right answer for exercise 2 in spyder: def yeahOk(L): Result=[] f	2 for i in rang
Dont understand what needs to be done I dont understand what im supposed to do. 1. do i need to create a function that iterates	over the lis
Please Help I just read the instructions about five times and I still have no clue as to what I am actually	<u>2</u> <u>y supposed</u>
This exercise needs to be re-written. Lgot it right, but the instructions are super confusing. Should be something like this: ***formula to the something like this instructions are super confusing.	5 new_ or every_pr
? <u>Junk output</u> When I run any of these code snippets in IDE, in addition to the desired results, I get extra	2 a output lik
How would this applyToEach(L, f) work if f requires more than 1 argument? As best I understand, the applyToEach code requires f to take only the elements of L as a	2 <u>irguments. F</u>
<u>lambda</u> <u>Python provides a very convenient way to define an anonymous function applyToEach(te</u>	estList, lamb
? Why is grader not working? I'm getting the correct output in spider, both by calling the list and by printing it. What give	2 <u>ves? So irrita</u>

I can do all these in Spyder but trying to get it to grade correctly is irritating.

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