



[Curso](#) > [Week 3...](#) > [5. Tupl...](#) > [Exercis...](#)

Audit Access Expires Ago 5, 2020

You lose all access to this course, including your progress, on Ago 5, 2020.

Upgrade by Jul 1, 2020 to get unlimited access to the course as long as it exists on the site. **Upgrade now**

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):
3     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

[Hide output](#)

CORRECT

Testing your response...

Output:

```
[1, 4, 8, 9]
```

[Hide output](#)

Enviar

i 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):
3     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

[Hide output](#)**CORRECT**

Testing your response...

Output:[Hide out](#)

Enviar

i 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):
3     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

CORRECT

[Hide output](#)

Testing your response...



Output:

[1, 16, 64, 81]

Hide output

Enviar

 Answers are displayed within the problem

Exercise: apply to each

Ocultar discussão

Topic: Lecture 5 / Exercise: apply to each


Add a Post


Show all posts


▼


por atividade recente


▼


 Whooosh!1 new_
Can't even begin to understand the question, so I thought I would run the example code, but it crash...


 Spyder doesnt agree with grader, grader doesnt agree with spyder2
I ran my code and got the right answer for exercise 2 in spyder: def yeahOk(L): Result=[] for i in rang...


 Dont understand what needs to be done2
I dont understand what im supposed to do. 1. do i need to create a function that iterates over the lis...


 Please Help2
I just read the instructions about five times and I still have no clue as to what I am actually supposed ...

 This exercise needs to be re-written.5 new_
I got it right, but the instructions are super confusing. Should be something like this: ***for every pr...

 Junk output2
When I run any of these code snippets in IDE, in addition to the desired results, I get extra output lik...

 How would this applyToEach(L, f) work if f requires more than 1 argument?2
As best I understand, the applyToEach code requires f to take only the elements of L as arguments. F...

 lambda3
Python provides a very convenient way to define an anonymous function applyToEach(testList, lamb...

 Why is grader not working?2
I'm getting the correct output in spider, both by calling the list and by printing it. What gives? So irrita...

 Grader

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

2

© All Rights Reserved

