



[Curso](#) > [Week 4...](#) > [7. Testi...](#) > [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 2

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

Exercise 2

1/1 point (graded)

ESTIMATED TIME TO COMPLETE: 5 minutes

Consider the following code specification:

```
def union(set1, set2):  
    """  
    set1 and set2 are collections of objects, each of which might be empty.  
    Each set has no duplicates within itself, but there may be objects that  
    are in both sets. Objects are assumed to be of the same type.  
  
    This function returns one set containing all elements from  
    both input sets, but with no duplicates.  
    """
```

Indicate which of the conditions below would combine to make a good black box test suite for the function `union` by selecting the appropriate choice(s).

☒ `set1` is an empty set; `set2` is an empty set

☒ `set1` is an empty set; `set2` is of size greater than or equal to 1

☒ `set1` is of size greater than or equal to 1; `set2` is an empty set



☒ `set1` and `set2` are both nonempty sets which do not contain any objects in common

☒ `set1` and `set2` are both nonempty sets which contain objects in common



Explanation:

A good black box test suite would contain tests for all of the given conditions! Black-box testing tests the functionality of an application, by looking at the paths through its specifications.

According to the specifications, the possibilities for `set1` and `set2` are as follows: both sets are empty; one of the sets is empty and one has at least one object; both sets are not empty. The tests list all the combinations of those possibilities for `set1` and `set2`.

Enviar

 Answers are displayed within the problem

Exercise 2

Ocultar discussão

Topic: Lecture 7 / Exercise 2

Show all posts ▼

por atividade recente ▼

? [Difference Between Options 2 and 3](#)

4

[Why would I test options 2 and 3, and not just one of them? Seems like the answer should be 1, 4 an...](#)

© All Rights Reserved

