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Problems

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Quiz

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QUESTIONS

QUESTION 3

5 marks

Find the output of the following program:

Python Code

```
def addToList(listcontainer):  
  
    listcontainer += [10]  
  
mylistContainer = [10, 20, 30, 40]  
  
addToList(mylistContainer)  
  
print (len(mylistContainer))
```

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10

Your submitted response was correct.

Explanation

In Python, everything is a reference, and references are passed by value. Parameter passing in Python is the same as reference passing in Java. As a consequence, the function can modify the value referred by passed argument, i.e. the value of the variable in the caller's scope can be changed. Here the task of the function "addToList" is to add an element 10 in the list, So this will increase the length of the list by 1. So the output of the program is 5.