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Assignment: Fix the Bug Caused by Mutation

Welcome to this Mini Project.

In this assignment, you will analyze the concepts of aliasing, mutation, and cloning and you will fix a bug caused by an unexpected mutation.

Your task is to:

- Explain the relationship between aliasing, mutation, and cloning. Briefly explain each concept.
- With your knowledge of aliasing, mutation, and cloning, modify the functions in the following program so that the original list is not mutated.

```
a = [7, 3, 6, 8, 2, 3, 7, 2, 6, 3, 6]
b = a
c = b
b = c
def remove elem(data, target):
   for item in data:
       if item == target:
           data.remove(target)
   return data
def get product(data):
   total = 1
   for i in range(len(data)):
       total *= data.pop()
   return total
remove elem(c, 3)
print(get product(b))
print(a)
```

Python OOP - Object Oriented Programming for Beginners By: Estefania Cassingena Navone

Solution:

You can find a sample solution in the "Instructor example" tab.

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