On Thursday, February 16th at 6:00AM EST, UTC-5, we will be conducting a brief database maintenance. The event should last about 5 minutes.

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MITx: 6.00.1x Introduction to Computer Science and Programming U..

Help

Week 4: Good Programming Practices > 7. Testing and Debugging > Exercise 7

Exercise 7

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Exercise 7

2 points possible (graded)

ESTIMATED TIME TO COMPLETE: 3 minutes

Consider the following function definition:

```
def f(n):
    """
    n: integer, n >= 0.
    """
    if n == 0:
        return n
    else:
        return n * f(n-1)
```

When we call `f(3)` we expect the result 6, but we get 0.

When we call `f(1)` we expect the result 1, but we get 0.

When we call `f(0)` we expect the result 1, but we get 0.

Using this information, choose what line of code should be changed from the following choices:

○ `if n == 0:`

○ `return n`

○ `else:`

○ `return n * f(n-1)`

🖉

How should this line be rewritten?

[ ]

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Exercise 7
Topic: Lecture 7 / Exercise 7

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