

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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## Exercise 6

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### Exercise 6

2 points possible (graded)

**ESTIMATED TIME TO COMPLETE: 3 minutes**

Consider the following function definition:

```
def rem(x, a):
    """
    x: a non-negative integer argument
    a: a positive integer argument


    returns: integer, the remainder when x is divided by a.
    """
    if x == a:
        return 0
    elif x < a:
        return x
    else:
        rem(x-a, a)
```

When we call

the shell returns 2. When we call

the shell returns 0. But when we call

the shell does not return anything! Using this information, choose what line of code should be changed from the following choices:

Problem Set due Feb  
23, 2017 15:30 PST 

- ▶ [Midterm Exam](#)
- ▶ [Week 5: Object Oriented Programming](#)
- ▶ [Sandbox](#)

☐ `if x == a:`

☐ `return 0`

☐ `elif x < a:`

☐ `return x`

☐ `else:`

☐ `rem(x-a, a)`

How should this line be rewritten?

Submit

## Exercise 6

Topic: Lecture 7 / Exercise 6

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