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.

Exercise 1

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Exercise 1

1 point possible (graded)

ESTIMATED TIME TO COMPLETE: 4 minutes

Consider the following code specification:

```
def size(aSet):
    """
    aSet is a collection of objects, which might be empty.
    Objects are assumed to be of the same type.
    """
```

Here is a set of possible test cases to include in a black box test suite. Indicate which of the following conditions would make a good black box test suite for the function `size` by clicking on the appropriate choice(s).

Review: Black Box Test Suites

Black-box testing is a method of software testing that tests the *functionality* of an application. Recall from the lecture that a way to think about black-box testing is to look at both:

- The possible paths through the specification.
- The possible boundary cases.

Undoubtably many - if not all - of the listed tests look like they would be pretty good for testing the function `size`. However, we want you to think critically about the way `size` is specified - including possible boundary cases - and pick a set of tests that adequately and fully tests all paths and boundary conditions. Be sure the set of tests you pick does not have extraneous, useless, or repetitive tests.

Problem Set due Feb 23, 2017 15:30 PST

- Midterm Exam
- Week 5: Object Oriented Programming
- Sandbox

- [ ] Empty set
- [ ] Set of size 1
- [ ] Set of odd size
- [ ] Set of even size
- [ ] Set of size greater than 1
- [ ] Set whose size is a prime number

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Exercise 1

Topic: Lecture 7 / Exercise 1

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