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**Python 2: Getting More Out of Python  
Lesson 3, Quiz 1**

Handed in: 20 Feb 2015 09:31:22PM Graded: 21 Feb 2015 10:41:15AM

Question 1:

What method would you normally use to perform work that was needed before each test?

**Your Answer:**

The wonderfully-designed setUp method is what you'd use.

**Mentor Comments:**

*none*

Question 2:

What happens if the setUp() method raises an exception?

**Your Answer:**

Any methods within the TestCase subclass we defined (a.k.a. the test suite) that follow the setUp method will not be run. I would imagine though that any separately-defined test suites would still attempt to run (hence the reason you may want to group them by the setUp methods they require).

**Mentor Comments:**

It's completely possible to have some tests fail in other tests run. You might have a look at this:

import unittest

import random

class TestFoo(unittest.TestCase):

def setUp(self):

if random.randint(0, 1) == 1:

raise Exception

def test\_1(self):

self.assertTrue(True)

def test\_2(self):

self.assertTrue(True)

def test\_3(self):

self.assertTrue(True)

def test\_4(self):

self.assertTrue(True)

def test\_5(self):

self.assertTrue(True)

def test\_6(self):

self.assertTrue(True)

if \_\_name\_\_ == "\_\_main\_\_":

unittest.main()

This produces the following output:

..EE.E

======================================================================

ERROR: test\_3 (\_\_main\_\_.TestFoo)

----------------------------------------------------------------------

Traceback (most recent call last):

File "V:\workspace\UnitTesting\src\flaky\_setup.py", line 11, in setUp

raise Exception

Exception

======================================================================

ERROR: test\_4 (\_\_main\_\_.TestFoo)

----------------------------------------------------------------------

Traceback (most recent call last):

File "V:\workspace\UnitTesting\src\flaky\_setup.py", line 11, in setUp

raise Exception

Exception

======================================================================

ERROR: test\_6 (\_\_main\_\_.TestFoo)

----------------------------------------------------------------------

Traceback (most recent call last):

File "V:\workspace\UnitTesting\src\flaky\_setup.py", line 11, in setUp

raise Exception

Exception

----------------------------------------------------------------------

Ran 6 tests in 0.000s

FAILED (errors=3)

Question 3:

Which method do you call to clear up after an individual test?

**Your Answer:**

the also wonderfully-designed tearDown method.

**Mentor Comments:**

*none*

Question 4:

Why do TestCase methods not normally produce any output?

**Your Answer:**

For clarity; 1) you wouldn't expect a test to produce output unless something was wrong and 2) people may not read the output anyway

**Mentor Comments:**

Right. Verbosity means trouble, is the unittest design. That's not to be over-generalized

as other processes reassure us when verbose e.g. the noisy version of the Linux

bootstrapping process

Besides, since projects may have thousands (or even more) verbose results would be totally untenable.

**Overall Comments:**

Wonderfully terrific, Jason.

-Pat

**Grade:**

Great

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