

In Class Activity 5

Ryan Smith

smithry9@oregonstate.edu

<https://github.com/Smithry9/InClassActivity5>

Unittest output:

```
....F
=====
FAIL: test_leapYear5 (__main__.testCaseAdd)
=====
Traceback (most recent call last):
  File "C:\Users\User\Desktop\Software engineering II\InClassActivity5\InClassActivity5\test_leapYear.py", line 19, in test_leapYear5
    self.assertEqual(leapYear.leap(2000), False)
AssertionError: True != False
=====
Ran 5 tests in 0.010s

FAILED (failures=1)
```

only the test that intentionally fails failed

pytest output:

```
$ pytest
===== test session starts =====
platform win32 -- Python 3.8.3, pytest-6.2.4, py-1.10.0, pluggy-0.13.1
rootdir: C:\Users\User\Desktop\Software engineering II\InClassActivity5\InClassActivity5
plugins: cov-2.12.0
collected 5 items

test_leapYear.py ....F [100%]

===== FAILURES =====
_____ testCaseAdd.test_leapYear5 _____

self = <test_leapYear.testCaseAdd testMethod=test_leapYear5>

    def test_leapYear5(self):
>     self.assertEqual(leapYear.leap(2000), False)
E     AssertionError: True != False

test_leapYear.py:19: AssertionError
===== short test summary info =====
FAILED test_leapYear.py::testCaseAdd::test_leapYear5 - AssertionError: True !...
===== 1 failed, 4 passed in 0.24s =====
```

Again, only the intentionally failed test fails

coverage report output:

```
$ coverage report
Name              Stmts   Miss  Cover
-----
leapYear.py         15      2    87%
test_leapYear.py    15      0   100%
-----
TOTAL                30      2    93%
```

runs for both leapYear and it's test file.

coverage report -m output:

Name	Stmts	Miss	Cover	Missing
leapYear.py	15	2	87%	13, 19
test_leapYear.py	15	0	100%	

TOTAL	30	2	93%	

runs for both leapYear and it's test file.

coverage html output:

Coverage report: 93%				
Module ↑	statements	missing	excluded	coverage
leapYear.py	15	2	0	87%
test_leapYear.py	15	0	0	100%
Total	30	2	0	93%
coverage.py v5.5, created at 2021-05-22 16:32 -0700				

pytest cov output:

```
$ pytest --cov=.
===== test session starts =====
platform win32 -- Python 3.8.3, pytest-6.2.4, py-1.10.0, pluggy-0.13.1
rootdir: E:\Class Stuff\Software engineering II\InClassActivity5\InClassActivity5
plugins: cov-2.12.0
collected 5 items

test_leapYear.py ....F [100%]

===== FAILURES =====
_____ testCaseAdd.test_leapYear5 _____

self = <test_leapYear.testCaseAdd testMethod=test_leapYear5>

> ???
E   AssertionError: True != False

C:\Users\User\Desktop\Software engineering II\InClassActivity5\InClassActivity5\test_leapYear.py:19:
AssertionError

----- coverage: platform win32, python 3.8.3-final-0 -----
Name           Stmts  Miss  Cover
-----
leapYear.py      15      2    87%
test_leapYear.py 15      1    93%
-----
TOTAL            30      3    90%

===== short test summary info =====
FAILED test_leapYear.py::testCaseAdd::test_leapYear5 - AssertionError: True !...
===== 1 failed, 4 passed in 0.27s =====
```

All the different versions of coverage have a very similar layout with just different stylistic formats.