In-class activity – Unittest and Pytest

Palindrome Unittest Restults

```
C:\Users\marce\OneDrive\Documents\CS362>python3 test_palindrome.py
Please enter a word
hi
False
..
---------------------------------------------------------------------
Ran 2 tests in 0.000s

OK

C:\Users\marce\OneDrive\Documents\CS362>
```

Palindrome Pytest Restults

```
C:\Users\marce\OneDrive\Documents\CS362\pytest>python -m pytest -s
================================== test session starts ==================================
platform win32 -- Python 3.9.5, pytest-6.2.3, py-1.10.0, pluggy-0.13.1
rootdir: C:\Users\marce\OneDrive\Documents\CS362\pytest
collecting ... Please enter a word
racecar
True
collected 2 items

test_pytest_palindrome.py ..

========================================= 2 passed in 29.42s =========================================
C:\Users\marce\OneDrive\Documents\CS362\pytest>
```

Word Count Unittest Restults

```
C:\Users\marce\OneDrive\Documents\CS362>python3 test_wordCount.py
Please enter a sentencehi al
2
FF
======================================================================
FAIL: test_wordCount (__main__.TestCase)
----------------------------------------------------------------------
Traceback (most recent call last):
  File "C:\Users\marce\OneDrive\Documents\CS362\test_wordCount.py", line 10, in test_wordCount
    self.assertEqual(wordCount.howMany(" hi al"), 2)
AssertionError: 3 != 2

======================================================================
FAIL: test_wordCount_1 (__main__.TestCase)
----------------------------------------------------------------------
Traceback (most recent call last):
  File "C:\Users\marce\OneDrive\Documents\CS362\test_wordCount.py", line 15, in test_wordCount_1
    self.assertEqual(wordCount.howMany("\n"), 0)
AssertionError: 1 != 0

----------------------------------------------------------------------
Ran 2 tests in 0.002s

FAILED (failures=2)

C:\Users\marce\OneDrive\Documents\CS362>
```

Word Count Pytest Restults

```
C:\Users\marce\OneDrive\Documents\CS362\pytest\wc>python -m pytest -s
============================================ test session starts ============================================
platform win32 -- Python 3.9.5, pytest-6.2.3, py-1.10.0, pluggy-0.13.1
rootdir: C:\Users\marce\OneDrive\Documents\CS362\pytest\wc
collecting ... Please enter a sentence
hi al
2
collected 2 items

test_pytest_wordCount.py FF

================================================== FAILURES ==================================================
_____ TestClass.test_one _____

self = <test_pytest_wordCount.TestClass object at 0x000002013EA29A00>

    def test_one(self):
>       assert wordCount.howMany(" Hi guys!") == 2
E       AssertionError: assert 3 == 2
E        +  where 3 = <function howMany at 0x000002013EAF8280>(' Hi guys!')
E        +    where <function howMany at 0x000002013EAF8280> = wordCount.howMany

test_pytest_wordCount.py:6: AssertionError
_____ TestClass.test_two _____

self = <test_pytest_wordCount.TestClass object at 0x000002013EA5E4F0>

    def test_two(self):
>       assert wordCount.howMany("\n") == 0
E       AssertionError: assert 1 == 0
E        +  where 1 = <function howMany at 0x000002013EAF8280>('\n')
E        +    where <function howMany at 0x000002013EAF8280> = wordCount.howMany

test_pytest_wordCount.py:10: AssertionError
========================================== short test summary info ==========================================
FAILED test_pytest_wordCount.py::TestClass::test_one - AssertionError: assert 3 == 2
FAILED test_pytest_wordCount.py::TestClass::test_two - AssertionError: assert 1 == 0
============================================== 2 failed in 2.98s ==============================================

C:\Users\marce\OneDrive\Documents\CS362\pytest\wc>
```