In-class activity

You may need to zoom in. But after installing pytest in a virtual environment I could never get it to actually run. So my code for pytest is untested and I went off the pytest manual page on how to write the code.

```
[pytest-env] flip1 ~/03_year/spring/cs362/inclass_activity/T1/pytest-env 153% pip install -U pytest
Requirement already up-to-date: pytest in ./lib/python3.6/site-packages
Requirement already up-to-date: iniconfig in ./lib/python3.6/site-packages (from pytest)
Requirement already up-to-date: toml in ./lib/python3.6/site-packages (from pytest)
Requirement already up-to-date: attrs>=19.2.0 in ./lib/python3.6/site-packages (from pytest)
Requirement already up-to-date: py>=1.8.2 in ./lib/python3.6/site-packages (from pytest)
Requirement already up-to-date: packaging in ./lib/python3.6/site-packages (from pytest)
Requirement already up-to-date: importlib-metadata>=0.12; python_version < "3.8" in ./lib/python3.6/site-packages (from pytest)
Requirement already up-to-date: pluggy<1.0.0a1,>=0.12 in ./lib/python3.6/site-packages (from pytest)
Requirement already up-to-date: pyparsing>=2.0.2 in ./lib/python3.6/site-packages (from packaging->pytest)
Requirement already up-to-date: zipp>=0.5 in ./lib/python3.6/site-packages (from importlib-metadata>=0.12; python_version < "3.8"->pytest)
Requirement already up-to-date: typing-extensions>=3.6.4; python_version < "3.8" in ./lib/python3.6/site-packages (from importlib-metadata>=0.12; python_version < "3.8"->pytest)
You are using pip version 9.0.3, however version 21.1.1 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
[pytest-env] flip1 ~/03_year/spring/cs362/inclass_activity/T1/pytest-env 154% pytest --version
pytest: Command not found.
[pytest-env] flip1 ~/03_year/spring/cs362/inclass_activity/T1/pytest-env 155%
```

Unittest for both programs

```
[pytest-env] flip1 ~/03_year/spring/cs362/inclass_activity/T2 131% python3 -m unittest unittests.py
There are 4 words.
There are 8 words.
There are 2 words.
F
======================================================================
FAIL: test_count (unittests.wordCountTestCase)
----------------------------------------------------------------------
Traceback (most recent call last):
  File "/nfs/stak/users/kappldw/03_year/spring/cs362/inclass_activity/T2/unittests.py", line 8, in test_
count
    self.assertEqual(wordCount.lengthSent("Fail case"), 1) # Fail case
AssertionError: 2 != 1

----------------------------------------------------------------------
Ran 1 test in 0.001s

FAILED (failures=1)
[pytest-env] flip1 ~/03_year/spring/cs362/inclass_activity/T2 132%
```

```
[pytest-env] flip1 ~/03_year/spring/cs362/inclass_activity/T1 115% python3 -m unittest unittests.py
racecar is a palindrome.
car is not a palindrome.
fail is not a palindrome.
F
======================================================================
FAIL: test_palind (unittests.TestPalindrome)
----------------------------------------------------------------------
Traceback (most recent call last):
  File "/nfs/stak/users/kappldw/03_year/spring/cs362/inclass_activity/T1/unittests.py", line 10, in test_
palind
    self.assertEqual(palindrone.palind("fail"), True) # Fail case to test that it does flag fails
AssertionError: False != True

----------------------------------------------------------------------
Ran 1 test in 0.002s

FAILED (failures=1)
[pytest-env] flip1 ~/03_year/spring/cs362/inclass_activity/T1 116%
```