Simeon Patton

In-class activity Week 7

CS362 OSU Spring 2021

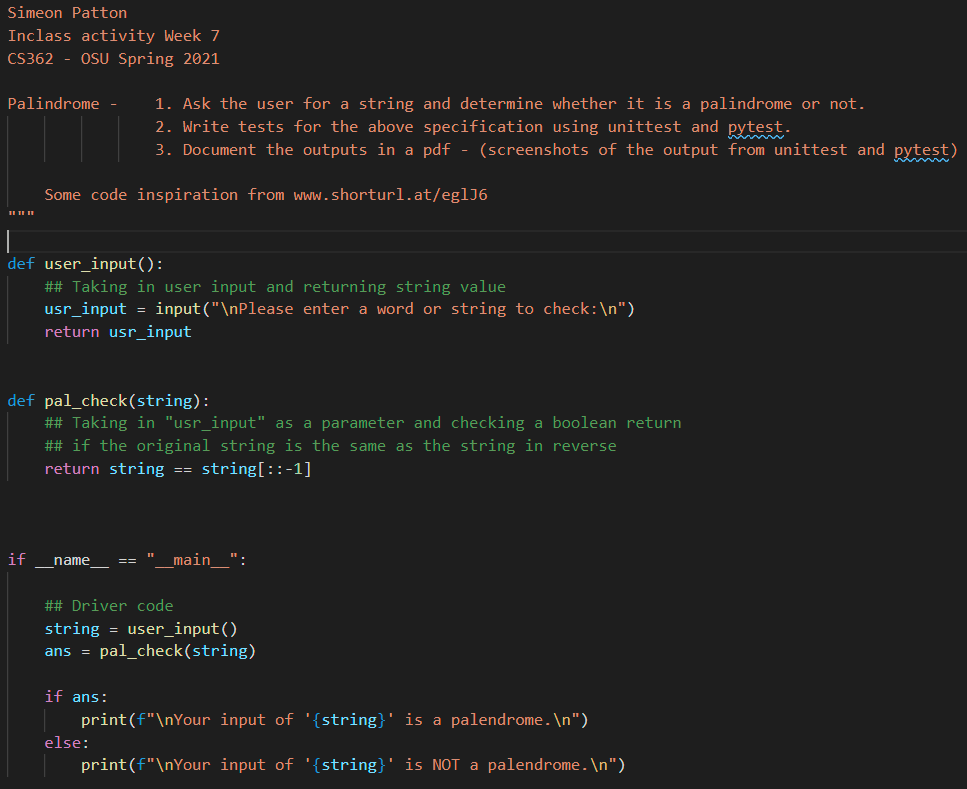
\*All Code can be found at: <https://github.com/pattons-OSU/CS362_InClassActivities/tree/master/Week_7>

\*To run pytest programs: in a powershell window type “pytest (program title)

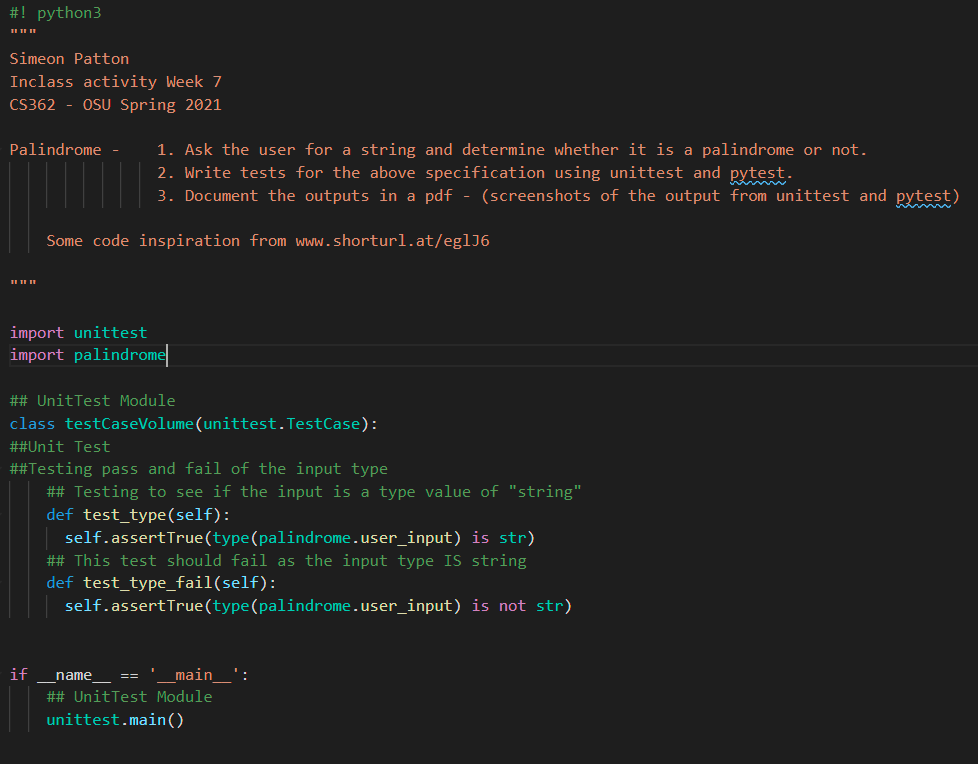
Program 1;

*Create program that takes in user input and checks to see if input is a palindrome. Create Unittest and Pytest programs and catalog output here.*

Program Code: palindrome.py

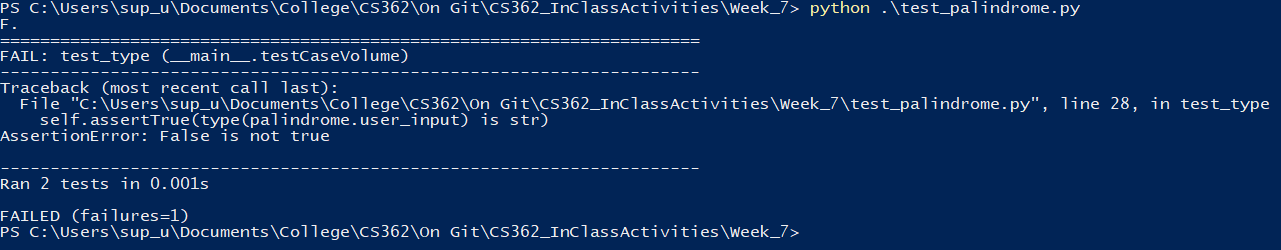


Unit-test Code: test\_palindrome.py

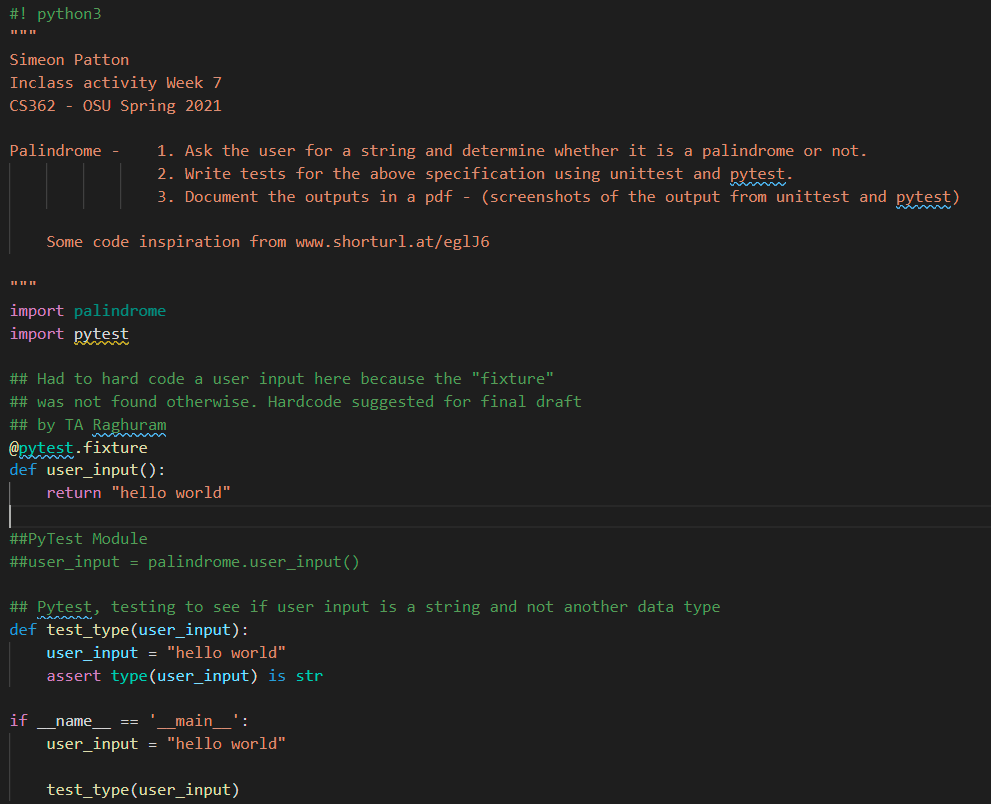


Unit-test powershell output:

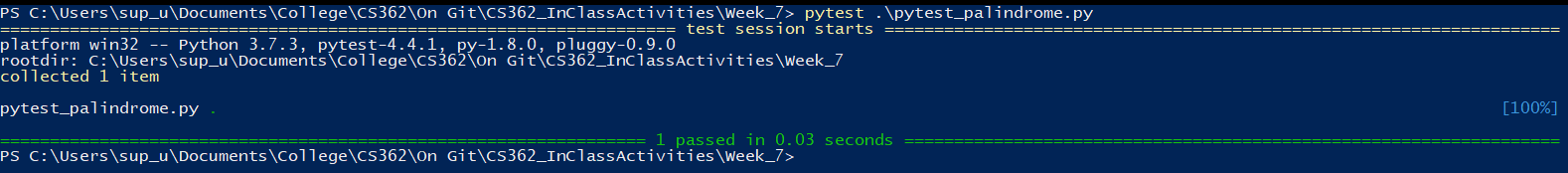
One of the tests is designed to fail and one to pass. This was checking to make sure that the user input is indeed a data type of string.



Pytest Code: pytest\_palindrome.py



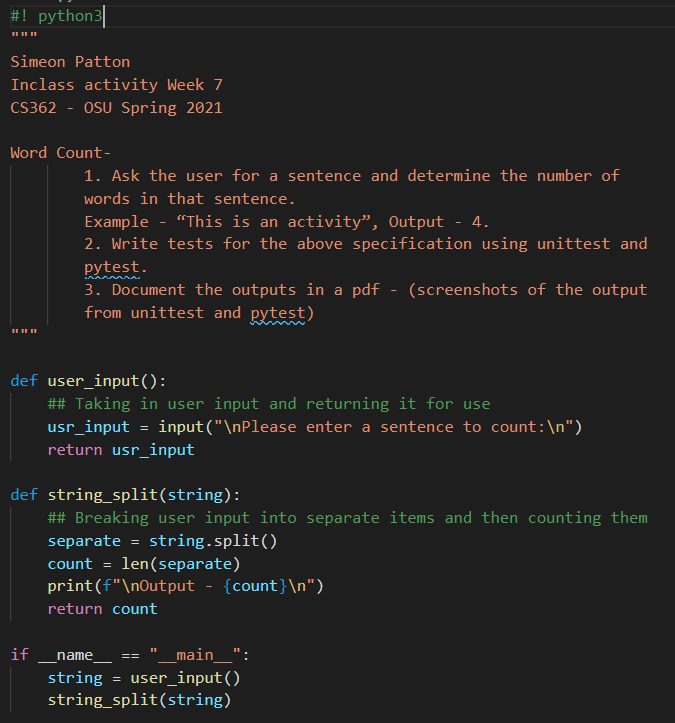
Pytest powershell output: Run command “pytest ./pytest\_palindrome.py”



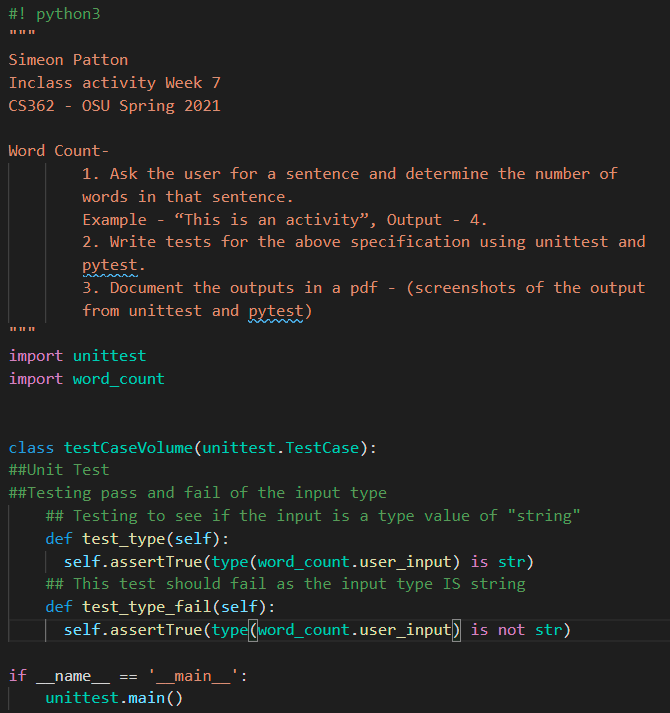
Program 2;

*Create program that takes in user input and counts the number of words found within the input string. Create Unittest and Pytest programs and catalog output here.*

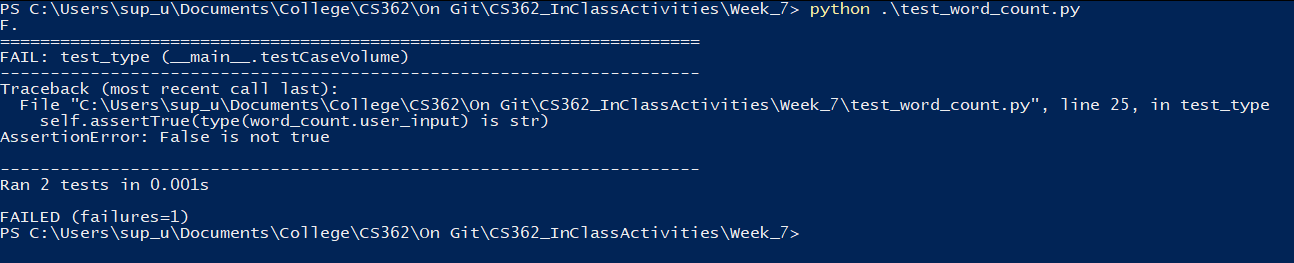
Program Code: word\_count.py



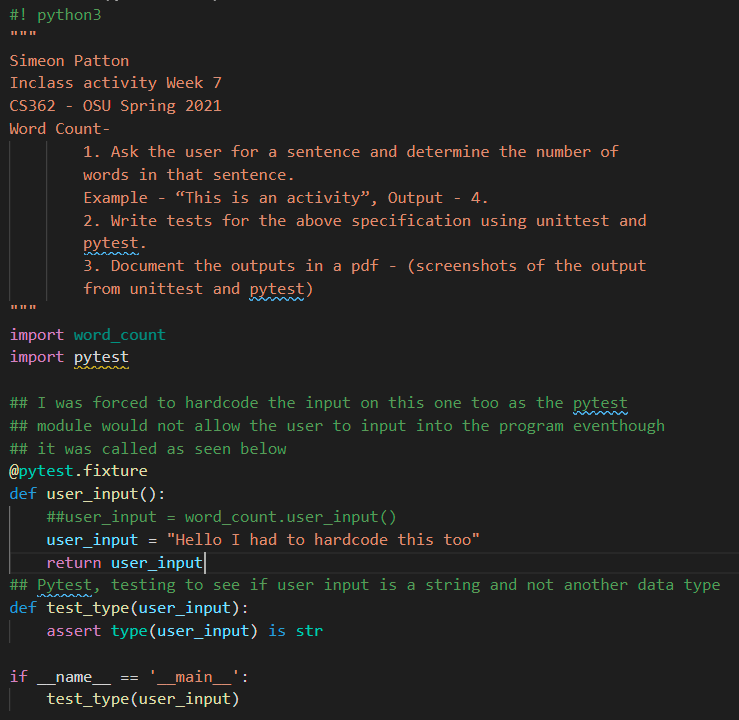
Unit-test code: test\_word\_count.py



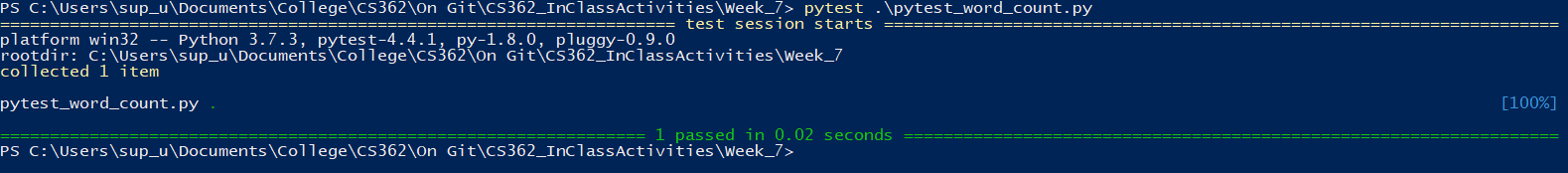
Unit-test powershell output: Once again, one of the tests is design to fail as a failsafe to make sure that the user is inputting the correct data type.



Pytest code: pytest\_word\_count.py



Pytest Powershell output: Run command “pytest ./pytest\_word\_count.py”



Conclusion:

I did not go very deep into creating a bunch of tests for this assignment as the brief did not mention how many tests were required and also, I believe that the idea behind this assignment was to learn and figure out how to implement a different testing framework (PyTest). Not only to learn the beginnings of the other framework, but also figure out the differences between UnitTest and PyTest.