CYOP300 Week 2 Lab

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Test case 1.) A screenshot of a computer program

Description automatically generated

With this test case, I went through the first option “Password Generator”. I entered unexpected input which was initially caught by when trying to select an invalid initial option. However, post selection of “Password Generator”, I proceeded to input invalid chars outside of (y/n) for which I hadn’t setup to only accepting Y or N as input. Eventually, my error was triggered but only after all inputs were received when it should have been triggered as soon as Length of Password was less than 8. With this test case, I also noticed I was not giving the user the option to exit the program at any point which would be an issue.

Test case 2.)

A screenshot of a computer program

Description automatically generated

With this test case, I entered expected input into option “b” and it seemed to work as intended. With this test case, I was also testing the (q to quit) functionality so the user knows that they can quit anytime which was missing from the first testcase.

Test case 3.)

A screenshot of a computer

Description automatically generated

This test case tested the functionality of option “c” which accurately displays how many days until July fourth without error using the datetime import.

Test case 4.)

A computer screen with white text

Description automatically generated

In the fourth test case, I tested the functionality of option “d” with mixed input. When inputting unexpected values, the program redirects the user to input an expected value. After inputting the expected values, I received the expected output.

Test case 5.)

A computer screen shot of a number

Description automatically generated

Lastly, I tested the VolumeRightCircularCylinder function with mixed input and it passed via its input validation whether string based or a combination of numbers and letters.

Pylint test:

A screenshot of a computer program

Description automatically generated

The initial Pylint score of the program was an 8.14. After some small restructuring, I was able to increase the score to a 9.32 while also adding several comments to explain different blocks of code as per the rubric.

A screenshot of a computer error

Description automatically generated