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FDN of Programming (Python)

Assignment 05

Focusing on Lists and Dictionaries

Introduction

In this assignment I learned about lists and dictionaries, their capabilities and what they cannot do. I also learned about how separation of concern works and can benefit developers as well as how to incorporate it into Spyder via Saraviji’s Hut videos. I had a challenging time but was able to go through the information provided and enjoyed learning.

Process

After reading the book, going through the document and watching the videos. I began on Lab A and B for which there was also information provided to assist when needed. For Lab A the code was trying to accomplish a collection of CDs where you can, add data, and load data. In addition, it was creating allowing you write to disk. Lab A program was also trying to show the current data to the user. After completing the labs, I started on my assignment

The starter file was helpful because it had some code in it and I could decipher what the script was attempting to do before I began to change it. An issue I had was how I wanted to proceed to change the script and the many ways I could do it. I ended up trying a few different ways. I had to make sure when writing my script, it was going to work with a list of dictionaries as a 2d table. I used the module 5 document a lot and the Python programming book. The labs were helpful because they directly related to the assignment.

After reading the documentation, I still ended up having issues on how to load data properly and delete files. But I found information in the videos from the class and the document. I may have overly used dicRow as a variable and I think that is something I need to do better with. Something I really think I did well was saving the data. It was helpful to know that I had done that before in previous assignments and labs, so I had gotten better at it. Overall, I still had many challenges but there was guidance provided in the docs. Even though I didn’t use separation of concern I am glad I learned about how Data (declaring the constants) , Presentation (input\output) and Processing(manipulating the data) work.

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Figure 1= Adding data in Spyder

I spent a lot of time reading, going through the videos and understanding the concepts. But started having some problems with zoom not loading the videos properly. Also the hint in the assignment was right, as I was fixing one part the other parts were messing up so I definitely had to keep up. Below is a figure of my script’s adding (Figure 1)and then saving to file(Figure 2).

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Figure 2 - Saving inventory to file in Spyder

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Figure 3 - Working in Spyder

Summary

In summary overall this week I felt like I learned more, and I wasn’t having as much anxiety to get things done. Instead, I gave myself time to work through the code, understand it and complete it, which helped me. All in all, I feel better this week than I did last week about the work. I still have a lot to work on and it’s an ongoing process I recognize.

My github repository link https://github.com/eclecticbasil/Python/blob/main/CDInventory.py