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Course: IT FDN 110

Assignment: Assignment 7

Re: Knowledge Document for Assignment 7

Introduction: Assignment 7 requested several action steps and updates to the assignment 6 script for CD Inventory. The first portion of the assignment requires research on exception handling and pickling in Python. The second portion of the assignment requires adding error handling code to the assignment 6 script as well as modifying the permanent data store to use binary data.

Step 1: Based on internet research, there is plethora of python information available. It is easy to get lost in search wormholes looking at even one python subject. In order to maximize my learning, I require visuals, examples and practice doing. I am slow to pick things up purely by listening or reading (without visuals.) So, the following article for handling exceptions worked well for me. It provided high level bullets points and each diagram or visual came with a brief explanation.

<https://betterprogramming.pub/handling-errors-in-python-9f1b32952423>

For the pickling research, the following article was most helpful for me for the same reasons I indicated above. The hierarchy of the subject was concise and clear. As they drilled into each individual subtopic, there was a corresponding example or visual to supplement the written explanation.

<https://www.datacamp.com/community/tutorials/pickle-python-tutorial>

Step 2: Error handling for me involved only two items which were the Value Error and the File Not Found. I was not sure what other ones to include with the limited amount of time that I left myself. I spent a lot of time figuring out the indents and coding for try-except. In the end I could not get the code to work in the homework assignment. However, I was able to get it to work in my practice tabs. My error message stemmed from something unrelated to the try-except coding. See Figure 1 below.

A screenshot of a computer

Description automatically generated with medium confidence

Figure – Script results in Spyder with error message about the ObjFile variable.

Step 3: The modification of permanent data to use binary data was quite challenging. I think I was able to update the code according to the various examples in class and in the module notes. However, I still do not understand how to get the .dat file working. I was hoping to put a figure below with the terminal window but I cannot get the .dat file set up properly. I’m hoping we can review this in class tomorrow.

Below is the link to my Github information.

<https://github.com/caroltru/Assignment_07>

Summary:

I struggled this week with time management. Given it was a holiday week and with out of town family visiting, I could not dedicate enough hours to reading, practicing and timely homework completion. I am understanding the purpose of pickling as well as exception handling. Ironically though, an exception is hindering my progress to see if my code is working.

As I’ve stated in previous summaries, the course moves very quickly through large chunks of information. My foundational knowledge feels wobbly. I will continue to reference back to prior week’s notes and modules to solidify this understanding.