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IT FDN 110 A

Assignment 05

[Git Hub Repository](https://github.com/ReeceW23/IntroToProg-Python)

Editing Pre-Written Code

Introduction

In this paper we will be going over some past topics of lists, writing data files, and creating loops. But we will also look at building a dictionary and for the first time, we will be editing pre-written code. The result should be a menu of options where the user can add, remove, and view data and save that data to a data file on their computer.

Step 1

The first step was writing code that would open any data that had already been saved. This was done by simply writing the command that opens the text file and then defining my dictionary and tables.

Text

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***Figure 1: Opening the prior data***

Step 2

The second step was showing the current data in the program. As in prior assignments, we had to open the text file and pull the desired data. However, this time, we created a dictionary. This was done so my data could have mutable reference throughout the program. This makes it easy to add different items to the list and have them displayed easily in the text file.

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***Figure 2: Displaying the current data***

Step 3

Here, I am adding new data to the table. Notice in the lstTable row I wrote append so that data would be added to current data. Secondly, {} are used to tell the program we are referencing the dictionary called out by task and priority. The program then goes back to the menu after the user puts in the requested input.

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***Figure 3: Adding Data***

Step 4

Next is the code that removes data. Here we are telling the program to reference the table made earlier in the program and removing and input that matches a task already saved in the program, specifically the Task. If it finds the task that matches the input, it will be removed, if not, the user is told that input is not in the file.

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***Figure 4: Removing Data***

Step 5

Lasty, the data is saved to the text file by telling the program to append the latest data entered and close the file. Then there is the option to close the program and a message to the user if they enter an option that is not listed.

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***Figure 5: Saving and closing the file***

Summary

This assignment was a fun challenge. It made me work backwards in a way to read someone else’s code and then adjust for it to run correctly. Dictionaries were a welcome addition to where I could make variables mutable so we could truly create a to do list that has many different answers.

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***Figure 7: Running in IDLE***

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***Figure 6: Running in Pycharm***