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IT FDN 110A

Assignment 03

Multiple Choice Program

**Introduction**

In this week’s assignment, I will be using partial code provided by the Professor to create a custom ‘to-do’ list. The to-do list will contain a task and an associated priority along with providing the end-user with choices they can perform on their data.

**Updating Pseudo Code and declaring variables**

The first step in this program is to update the Pseudo code the professor has left:

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Next step is to review the declared variables and add additional code:

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Based on the comments left, I started off by opening the text file (ToDoList.txt) with the append function. Next, I defined my dictionary and wrote it to the text file. This would allow the user to see current data (if 1 was selected). Lastly, I wrote the dictionary to the file and closed it.

**Updating Options/Troubleshooting**

As mentioned in the introduction, the professor provided us with Pseudo code to begin. There’s a menu that a user can select from:

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I added a print() function to run each time an option is selected (i.e., ‘you have selected option’, strChoice)

**Show Current Data (Option 1):**

* This option is straightforward – I used the print() function to display a message to the user (‘Here is what is currently stored’)
  + My code is as follows:

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* + This allowed me to show the user what was currently stored in the text file.

**Add a new item (Option 2):**

* For this option, I used the input function() to request a new task and priority. Next, I put the user’s input into my dicRow variable and used the .append feature to add it to the table.

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**Remove a new item from the list/table (Option 3):**

* Based off the comment left by the professor, I used a simple code to remove the last item added.

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**Save Data to file (Option 4):**

* This portion of my code is very similar to what I used above. I first opened the text file with the .append feature and wrote my dictionary contents. I used the print() function to leave a comment to the user after the contents was saved.

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**Exit Program (option 5):**

* Nothing fancy here – I used the print () function to display a message to the user (‘You are now exiting the program).

**Summary and final thoughts**

In summary, I was able to use the professor’s pseudo code, comments, and partial code to complete the assignment. I struggled a bit on the removal step as there was a conflicting comment with the actual option. Additionally, I’m still having trouble with the whole list/table activities. In theory, it’s actually pretty simple and on my own I can execute code – but performing the tasks that are in the homework assignment sometimes confuses me.