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Fundamentals of Python

Assignment 5

**Assignment 5 Documentation**

**Introduction**

The assignment is to create a script that asks the user for a Task and its priority. This time, use a dictionary to hold “Task” and “Priority” but use a list to show rows of a table.

**Assignment 5: Tasks and priorities dictionary**

I started this assignment by making sure I had all appropriate variables such as the text file, handle, clear dictionary and list variable, menu, and menu choice. Then, I created a way to load data from text file (Figure 1).

Text

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Figure 1: Declare Variables and load data from text file

Then I went through the code and wrote code through each of the menu option. In option one, I looped through the table if the user has inserted data (Figure 2).

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Figure 2: Loop through current table

For option 2, I wrote two input variables and inserted those input variables into the dictionary. Then I had it append a row into a list each time the user inserted a row of data. Then as a spot check I had the program print the append results (Figure 3).

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Figure 3: For loop that converts inputs into the list and prints the row

For option 3, I found a simple and handy “pop()” function online which takes the last row of the list and deletes it (figure 4).

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Finally for options 4 and 5 I wrote a for loop to write to the text file using dictionary Keys. I found if you put the close function in the wrong spot, it will only write one row of data. I simply wrote a close file for option 5 (figure 5).

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Figure 5 Write to the file and then exit the program

**Summary**

In summary I used PyCharm and Command Prompt to run the Assignment 05 Starter. This opened the file to load any existing data then gave the user 5 options to choose from. View table, append to table, remove from table, write to text file and finally close out of the file. This assignment asked to use dictionaries and lists to make a table.