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Assignment #5

Python Coding Assignment #6

Introduction

This sixth assignment includes watching a module video on Canvas, reading a chapter from the textbook, reviewing some web pages and videos, applying our knowledge of what we learned in practice, and then documenting our knowledge to prove that we understood the assignment and its readings. Similar to the fifth assignment, if not nearly identical, the sixth assignment relies on using functions to mimic the output of the fifth assignment and its menu's various choices.

Assignment05_Starter.py

We were made to create a script with a menu that allowed one to do one of the four following things: option one would allow for the user to add a task and its priority level, option two would allow for the user to remove an existing task, option three would allow for the user to save their tasks to a text file, while option four would allow for the user to exit the application. In completing this assignment, much like the last one, I found that I had trouble in getting the code to completely work. For instance, the first couple of functions caused my code to output a duplicate of the prompt that asks the user for a task and priority input. For the most part, it seems to work just fine though, so I assume that my code was completed correctly with its output in mind.

```
def output_menu_tasks():
def input_menu_choice():
   choice = str(input("Which option would you like to perform? [1 to 4] - ")).strip()
def output_current_tasks_in_list(list_of_rows):
    for row in list_of_rows:
def input_new_task_and_priority():
```

table_lst.append(dicRow)
return (strTask, strPriority)

```
@staticmethod
def input_task_to_remove():
    """    Gets the task name to be removed from the list

    :return: (string) with task
    """

# Code taken from the Assignment05_Answer.py file.
    strKeyToRemove = input("Which TASK would you like removed? - ")
    blnItemRemoved = False  # Use this to verify that the data was found and removed
    for row in table_lst:
        task, priority = dict(row).values()
        if task == strKeyToRemove:
            table_lst.remove(row)
            blnItemRemoved = True
            return task
```

Figure 1: Assignment06 Starter.py Script in PyCharm

```
*************
     Menu of Options
      1) Add a new Task
      2) Remove an existing Task
      3) Save Data to File
      4) Exit Program
Which option would you like to perform? [1 to 4] - 3
***** The current items ToDo are: *****
Task One(High)
*********
Save this data to file? (y/n) - y
Data saved to file! Press the [Enter] key to return to menu.
Data Saved!
***** The current tasks ToDo are: *****
Task One (High)
************
   ************
```

Figure 2: Assignment06 Starter.py Output in PyCharm

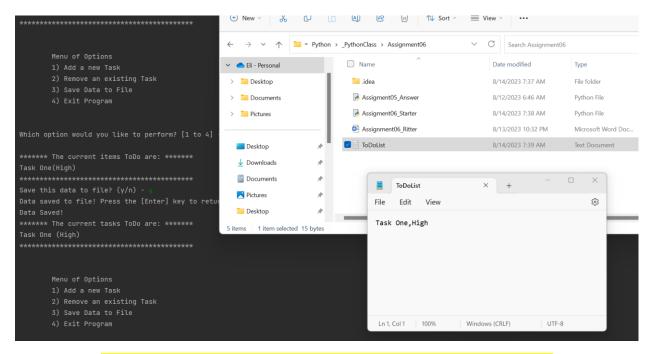


Figure 3: Assignment06 Starter.py ToDoList.txt Output in PyCharm

Summary

In short, this assignment can be seen as something that branches from both the fourth and fifth assignments. Though I was unable to get the program running in a command window, the PyCharm version seemed to work just fine. Made to build off of an existing code template, this assignment aims to introduce us to functions; while I had difficulty with the assignment, I think that (by using the answer key from assignment five) I was able to create something that worked.