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May 24, 2022

Foundations of Programming: Python

Assignment 06

GitHubURL: <a href="https://github.com/seanybmb/IntroToProg-Python">https://github.com/seanybmb/IntroToProg-Python</a>

GitHub Page: https://seanybmb.github.io/IntroToProg-Python-Mod06/

## Creating the Home Inventory Menu Script

## Introduction

This paper outlines the necessary steps to create the ToDo Python Menu Script which allows a user to input a "To-Do" list, indicate the priority, delete added rows, save the information to a text file, and then closes the program. This program is similar to the previous script but uses functions.

## Writing and Running a Home Inventory Python Script

I wrote and ran the script using PyCharm.

The goal is to create a python script file that allows a user to input any number of "To-do" items and include a priority for each item. A user can add items and elect to display the current data. Each row of information, including the listed "Task" and "Priority" that matches a user input can be deleted. Once complete, a user can save the list to a text file and then close the program.

Once the code was in place, I ran the code in PyCharm and via a Console Application. (Figure 1)

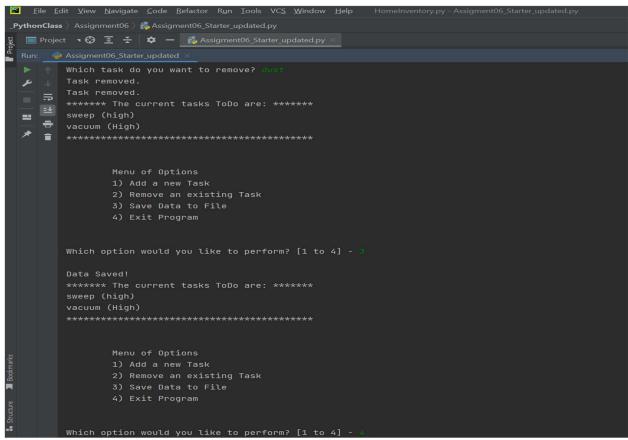


Figure 1: Example Code

After running, testing and finalizing the script I ran the code using the "Command Prompt" system. Although the script would mostly run using the Command Prompt window, it would not save to a text

file. Subsequently, I changed the directory to the folder the script was in, typed "python" and then ran the script successfully. Once done, I hit enter which then prompts me to make my selection. I input several pieces of data, displayed the data and then closed the script which wrote the lists to a text file. (Figure 2)

```
C:\Users\micbe>cd C:\_PythonClass\Assignment06
C:\_PythonClass\Assignment06>python Assigment06_Starter_updated.py
****** The current tasks ToDo are: ******
sweep (high)
vacuum (High)
************
      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] - 1
What is the new task? jump
What is the priority? low
****** The current tasks ToDo are: ******
sweep (high)
vacuum (High)
jump (low)
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] - 2
Which task do you want to remove? sweep
Task removed.
Task removed.
****** The current tasks ToDo are: ******
vacuum (High)
jump (low)
**************
      Menu of Options
       1) Add a new Task
       2) Remove an existing Task
       3) Save Data to File
       4) Exit Program
```

```
Command Prompt
Which option would you like to perform? [1 to 4] - 2
Which task do you want to remove? sweep
Task removed.
Task removed.
****** The current tasks ToDo are: ******
vacuum (High)
jump (low)
 *************
       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
Data Saved!
****** The current tasks ToDo are: ******
vacuum (High)
jump (low)
*************
       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] - 4
Goodbye!
C:\_PythonClass\Assignment06>
```

Figure 2: Console Application running Python Script

## Summary

This paper described the process, using PyCharm (to create the Home Inventory Menu Script) and then explains how to run the script using Command Prompt to create a console application that receives input and writes the input information to a text file.