Trace Kershaw

Assignment 5

IT FDN 100

**Creating the To Do Script**

The purpose of this assignment was to learn how use dictionaries in python that can make tasks simpler. The main things we focused on in this assignment was creating a dictionary and then using various subcommands and loops to execute a range of functions. I made code so that the user could use a menu and decide if they want to enter in a task list and then the priority of the task list (similar to what we did in Assignment 4), to print out what the user has entered so far, to remove an item or to save the data to a text file.

**Using Dr. Root’s Template**

* For this assignment I used Dr. Root’s Assignment05\_start template which broke up the coding elements into Data, Processing, Input and Output.
* The template had the main steps of the assignment and places for us to add the code.
* The first thing I did was modify the header for the assignment
* Title: Assignment 05  
  # Description: Working with Dictionaries and Files  
  # When the program starts, load each "row" of data  
  # in "ToDoToDoList.txt" into a python Dictionary.  
  # Add the each dictionary "row" to a python list "table"  
  # ChangeLog (Who,When,What):  
  # RRoot,1.1.2030,Created started script  
  # <TKershaw,11/8/19,Added code to complete assignment 5  
  # ------------------------------------------------------------------------ #
* Next I loaded the text file so every time the program is started it would load the existing file.
* -- Processing -- #  
  # Step 1 - When the program starts, load any data you have  
  # in a text file called ToDoList.txt into a python Dictionary.  
  open(objFile **,**"r")
* Next I added code that would print out any data in the table
* # Step 3 - Show the current items in the table  
  if (strChoice.strip() == '1'):  
   print(lstTable)  
   continue
* Next I allowed the user to add tasks and give a priority rating for each task

# Step 4 - Add a new item to the list/Table  
elif (strChoice.strip() == '2'):  
 strTask=input("Enter a task to do: ")  
 strPriority=input ("Enter how important the task is from 1=not important to 5=very important: ")  
 dicRow={"Task":strTask**,** "Priority":strPriority}  
 lstTable.append(dicRow)

* Next I added code to remove items from the table. I followed the code from the book, but could not get this code to acutally remove the task rows.
* # Step 5 - Remove a new item to the list/Table  
  elif (strChoice.strip() == '3'):  
   print (lstTable)  
   strTask = input("Which task would you like to delete? ")  
   if strTask in dicRow:  
   del dicRow[strTask]
* Finally I added code to write the data to the file, but this too gave me an error message that I was not able to figure out where I was going wrong.

# Step 6 - Save tasks to the ToDoToDoList.txt file  
elif (strChoice.strip() == '4'):  
 open(objFile**,** "w")  
 objFile.write(dicRow["Task"] + "," + dicRow ["Priority"])  
 objFile.close()  
 continue

* I was only able to get the first 3 menu items to work.
* Finally I registered and loaded my files on GitHub