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Module 5

I did a script that uploaded the contents of a text file to the python dictionary. The data would display to the user. The user could add data with the new data displayed. I couldn’t get the delete data function work properly. I tried a couple different ways to try to make this work, but it errored out every time. I was able to let the user save the data they added.

#-------------------------------------------------#

# Title: Working with Dictionaries

# Dev: RRoot

# Date: July 16, 2012

# ChangeLog: (Who, When, What)

# RRoot, 11/02/2016, Created starting template

# John Fitzpatrick, ???, Added code to complete assignment 5

#https://www.tutorialspoint.com/python/python\_dictionary.htm

#-------------------------------------------------#

#-- Data --#

# declare variables and constants

# objFile = An object that represents a file

# strData = A row of text data from the file

# dicRow = A row of data separated into elements of a dictionary {Task,Priority}

# lstTable = A dictionary that acts as a 'table' of rows

# strMenu = A menu of user options

# strChoice = Capture the user option selection

#-- Input/Output --#

# User can see a Menu (Step 2)

# User can see data (Step 3)

# User can insert or delete data(Step 4 and 5)

# User can save to file (Step 6)

#-- Processing --#

# Step 1

# When the program starts, load the any data you have

# in a text file called ToDo.txt into a python Dictionary.

# Step 2

# Display a menu of choices to the user

# Step 3

# Display all todo items to user

# Step 4

# Add a new item to the list/Table

# Step 5

# Remove a new item to the list/Table

# Step 6

# Save tasks to the ToDo.txt file

# Step 7

# Exit program

#-------------------------------

#The command opens the text file and reads it to memory

with open("C:\Python\Todo.txt", "r+") as f:

def read():

with open("C:\Python\Todo.txt","r") as text:

lstTable = [str(Task), str(Priority)]

return dict(line.strip().split() for line in text)

#All rows of the file are in the python dictionary

row0 = ['0',"Task", "Priority"]

row1 = ['1',"Clean house", "low"]

row2 = ['2',"Pay Bills", "high"]

#The tables are displayed with the print function

table = [row1, row2]

print(table)

# Step 1 - Load data from a file

# When the program starts, load each "row" of data

# in "ToDo.txt" into a python Dictionary.

# Add the each dictionary "row" to a python list "table"

# Step 2 - Display a menu of choices to the user

while(True):

print ("""

Menu of Options

1) Show current data

2) Add a new item.

3) Remove an existing item.

4) Save Data to File

5) Exit Program

""")

strChoice = str(input("Which option would you like to perform? [1 to 4] - "))

print()#adding a new line

# Step 3 -Show the current items in the table

if (strChoice.strip() == '1'):

print(table) == '1'

continue

#The data in the table is displayed

# Step 4 - Add a new item to the list/Table

#The input is displayed for the user to enter data

elif(strChoice.strip() == '2'):

z = int(input("Enter new TaskID: "))

x = input("Enter new Task: ")

y = input("Enter new Priority: ")

newRow = (z),(x),(y)

strnewRow = [z, x, y]

table.append(newRow)

print(newRow)

continue

# Step 5 - Remove a new item to the list/Table

#I couldn't get the delete function to work.

elif(strChoice == '3'):

print(table)

table = input("Enter the data you want to delete: ")

table.remove(table)

print(table)

continue

# Step 6 - Save tasks to the ToDo.txt file

#The loop opens the file and saves the data or not

elif(strChoice == '4'):

todo = y

if(str(y.lower() == 'y')):

objF =open("C:\Python\Todo.txt", 'w')

objF.write(str(table))

objF.close()

print("Data\n\r",table,"\n\ris saved")

else:

print("Data is not saved")

continue

elif(strChoice == '5'):

break #and Exit the program