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March 15, 2020

Python Foundations of Programming

Assignment 05

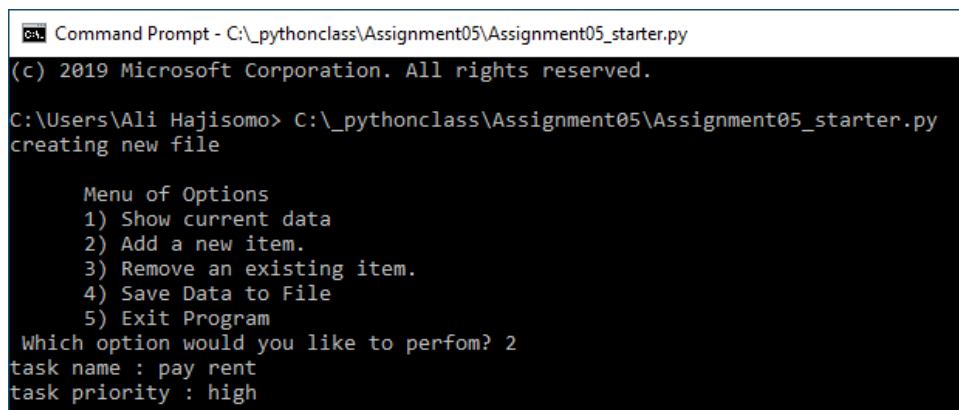
### Creating my 'Assignment05\_Starter.py' python script

#### Introduction:

During my assignment 05 homework we had several steps to follow. The seven steps we had to take to complete assignment 05 are as stated in the following five sentences. 1) When the program starts, load the data in file. 2) Display a menu of choices to the user. 3) Show the current items in the table. 4) Add a new item to the list/table. 5) Remove a new item from the list/Table. 6) Save tasks to the ToDoList.txt file. 7) Exit program

#### My scripts final result in the command prompt:

Below in figure one, you can see the final output of my script running in the command line. From the figure below you can see the option menu and its results when option two is chosen.



```
Command Prompt - C:\_pythonclass\Assignment05\Assignment05_starter.py
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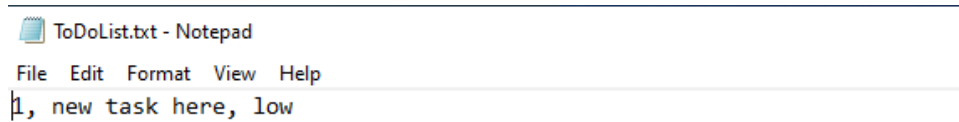
C:\Users\Ali Hajisomo> C:\_pythonclass\Assignment05\Assignment05_starter.py
creating new file

    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
Which option would you like to perform? 2
task name : pay rent
task priority : high
```

Figure 1: My final script running in the command prompt.

**Verifying my file has data:**

In figure 2 below you can see that my 'ToDoList.txt' file has data in it. I ran the file on notepad to see the outcome of it, and the final outcome has proved that my file has data in it.



**Figure 2: A screenshot of my '.txt' file that has data when it is ran.**

**Code in Visual Studio:**

In figure 3 below, you can see my code running in visual studios terminal. My PyCharm was acting up, and lost most of python class files, so I had to use visual studio.

```
Assignment05_starter.py x  ToDoList.txt
Assignment05_starter.py > ...
1  import os.path
2  # -----
3  #Title: Assignment 05
4  #Description: Working with Dictionaries and Files
5  #            When the program starts, load existing data
6  #            in "ToDoToDoList.txt" into a python dictionary
7  #            Add each dictionary "row" to a new dictionary
8  # ChangeLog (Who,When,What):
9  # Ali Hajisomo ,2.18.2020,Started script
10 # <Ali Hajisomo>,<2.23.2020>, Added code to create main menu
11 # -----
12
13 # -- Data -- #
14 # declare variables and constants
15 #
16 # Global Variables
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18 # Global Data
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```

**Figure 3: My code successfully running in visual studio's terminal.**

### Summary :

In conclusion, this week we had the chance to load data into a txt file. Show current items in a table. Add a new item to the list/table, remove an item from the list/table. Then we finished up by saving our tasks to our txt file and making the program exit when all tasks were completed. Lastly, we had the pleasure to use the if-else-elif statements.