

Andy Sul

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IT FDN 110 B

Assignment 05

<https://github.com/skym97/IntroToProg-Python>

Checking for Errors

Introduction

This week built off of the prior two assignments to handle errors and learn how to do advanced collections.

Process

Like the prior two assignments, I continued to use the hybrid approach of asking ChatGPT to give step by step instructions and then providing the code that I write to double check for any errors. Checking for errors this time around was crucial as I ran into two different errors while trying to run the program as PyCharm would give me error messages I would encounter. Something I didn't have to deal with in the prior two assignments. It was also nice to know that PyCharm would alert you as to where exactly the error was occurring instead of having to look for it. For the example I provided below, there was an error I needed to address specifically on line 85.

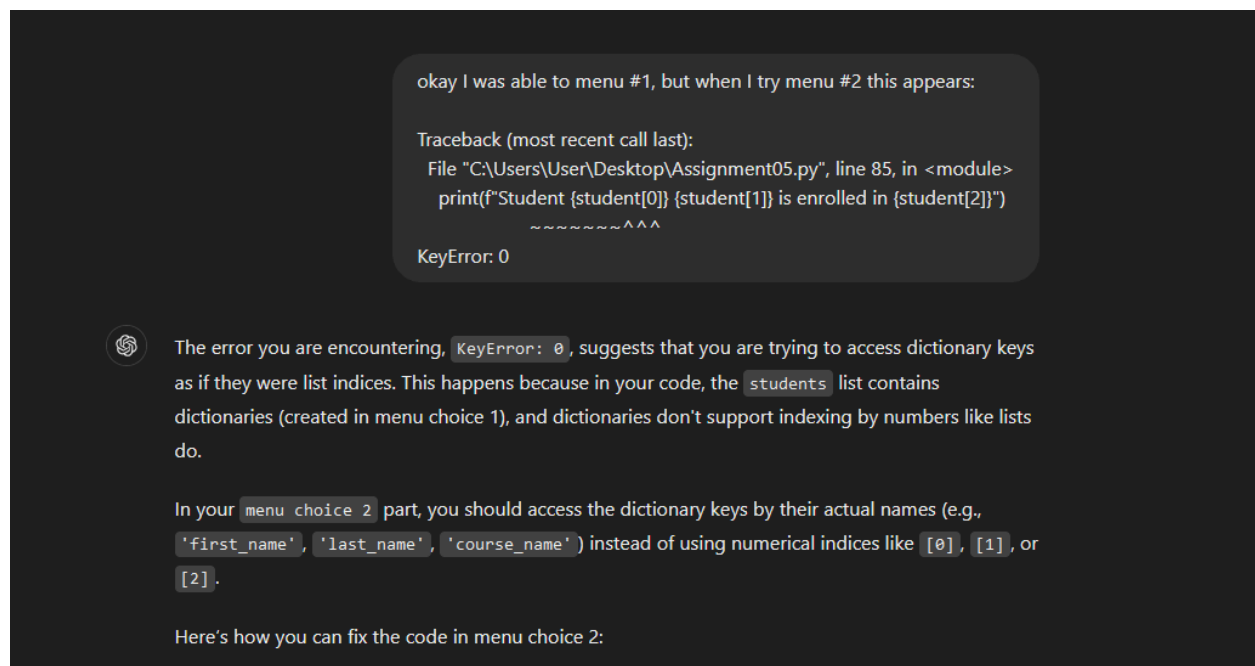


Figure 1: ChatGPT with information on an error

Overall, outside of the two errors I encountered while trying to run the program, this assignment went fairly smoothly.

The image shows two side-by-side windows. The left window is PyCharm, displaying the file 'Assignment05.py' and its execution output. The right window is a Command Prompt titled 'C:\Windows\py.exe', showing the same program's output in a terminal format. Both windows show the program's menu, user input for options 1, 2, 3, and 4, and the resulting actions like registering a student, displaying current data, and saving data to a file.

```
---- Course Registration Program ----
Select from the following menu:
1. Register a Student for a Course.
2. Show current data.
3. Save data to a file.
4. Exit the program.
-----

What would you like to do: 2
-----
Student Andy Sul is enrolled in Python 101
-----

---- Course Registration Program ----
Select from the following menu:
1. Register a Student for a Course.
2. Show current data.
3. Save data to a file.
4. Exit the program.
-----

What would you like to do: 3
The data has been successfully saved to the file.

---- Course Registration Program ----
Select from the following menu:
1. Register a Student for a Course.
2. Show current data.
3. Save data to a file.
4. Exit the program.
-----

What would you like to do: 4
Exiting the program...
Program Ended

Process finished with exit code 0
```

```
---- Course Registration Program ----
Select from the following menu:
1. Register a Student for a Course.
2. Show current data.
3. Save data to a file.
4. Exit the program.
-----

What would you like to do: 1
Enter the student first name: John
Enter the student last name: Smith
Enter the course name: Python 101
You have registered John Smith for Python 101.

---- Course Registration Program ----
Select from the following menu:
1. Register a Student for a Course.
2. Show current data.
3. Save data to a file.
4. Exit the program.
-----

What would you like to do: 2
-----
Student Andy Sul is enrolled in Python 101
Student John Doe is enrolled in Python 101
Student John Smith is enrolled in Python 101
-----

---- Course Registration Program ----
Select from the following menu:
1. Register a Student for a Course.
2. Show current data.
3. Save data to a file.
4. Exit the program.
-----

What would you like to do: 3
The data has been successfully saved to the file.

---- Course Registration Program ----
Select from the following menu:
1. Register a Student for a Course.
2. Show current data.
3. Save data to a file.
4. Exit the program.
-----

What would you like to do:
```

Figure 2: Results of the tests in PyCharm (on left) and Command Prompt (on right)

Summary

Having this assignment build off the past two assignments was good practice to learn how to handle the errors like I encountered while also trying to learn how to run advanced collections.