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IT FDN 110 A Au 24

Module 6

https://github.com/Gamezpd/IntroToProg-Python-Mod05

Module 6 Breakdown

Process Introduction

Module 6. Tasks at hand:

Classes

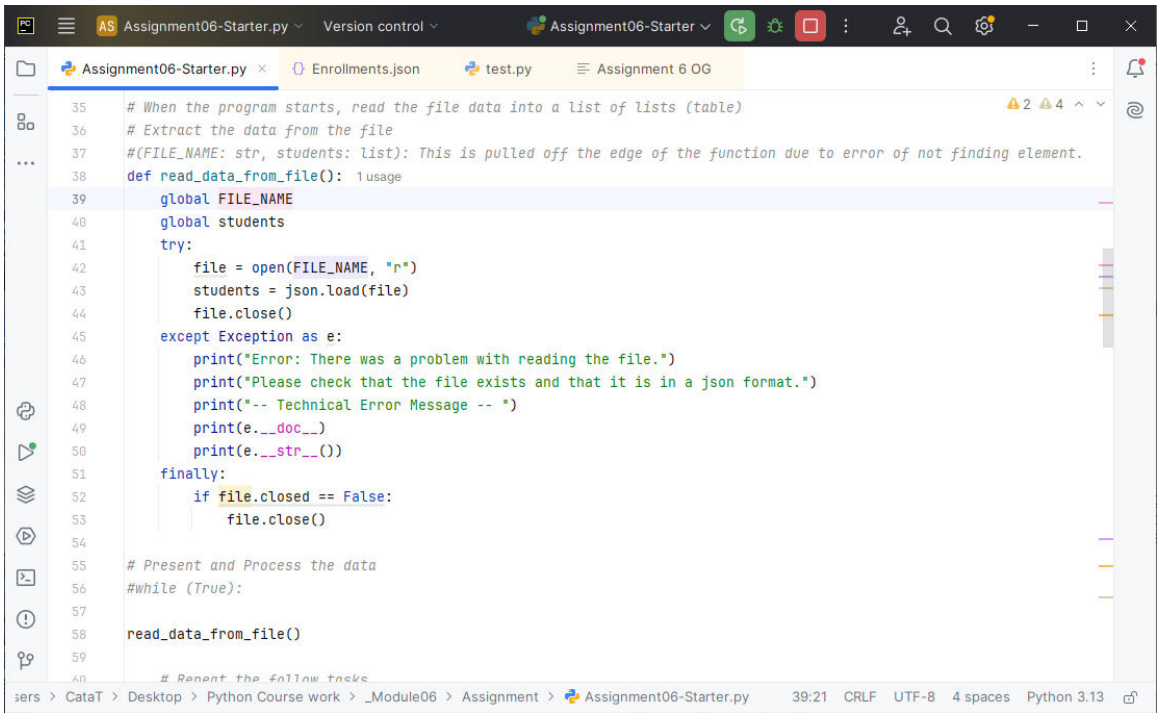
- The program includes a class named FileProcessor. x
- The program includes a class named IO. x
- All classes include descriptive document strings. x

Functions

- All functions include descriptive document strings.
- All functions with except blocks include calls to the function handling error messages.
- All functions use the @staticmethod decorator.
- The program includes functions with the following names and parameters:
    - output_error_messages(message: str, error: Exception = None) x
    - output_menu(menu: str) x
    - input_menu_choice() x
    - output_student_courses(student_data: list) x
    - input_student_data(student_data: list) x
    - read_data_from_file(file_name: str, student_data: list): x
    - write_data_to_file(file_name: str, student_data: list): x

This is now my checklist for classes and functions. The rest, like error handling, is present. Ok so first

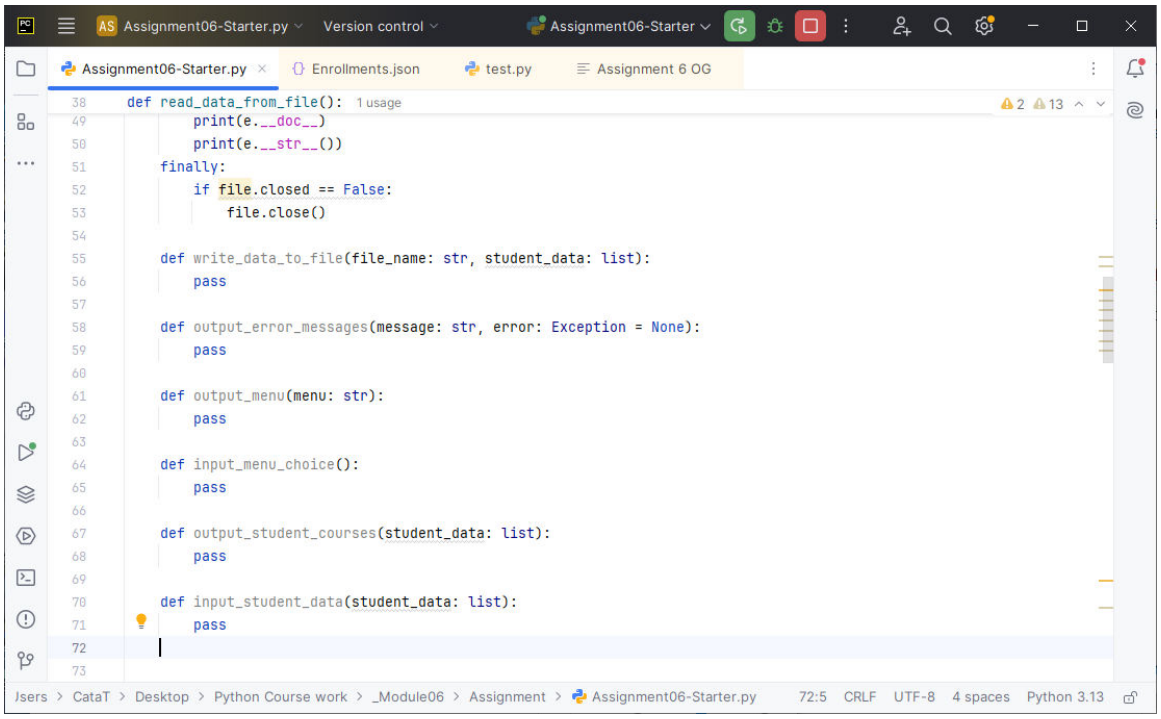
attempt at adding a function myself to the code:



def read_data_from_file is good. I called the function directly below immediately to see if it works without crashing everything. I went global because you can see in my sharped' notes:

(FILE_NAME: str, students: list): This is pulled off the edge of the function due to error of not finding element.

Global works. Defining them as parameters didnt. Ill look back on the notes again and see why. I also just realized a potential problem. Closing, or basically ending a function. At the end of a while loop? The functions go at the top-ish of the script, but where exactly? Im hoping Im right and a good spot is after data variables and constants have been defined. Anyways I added the other needed functions and wore out the pass feature:

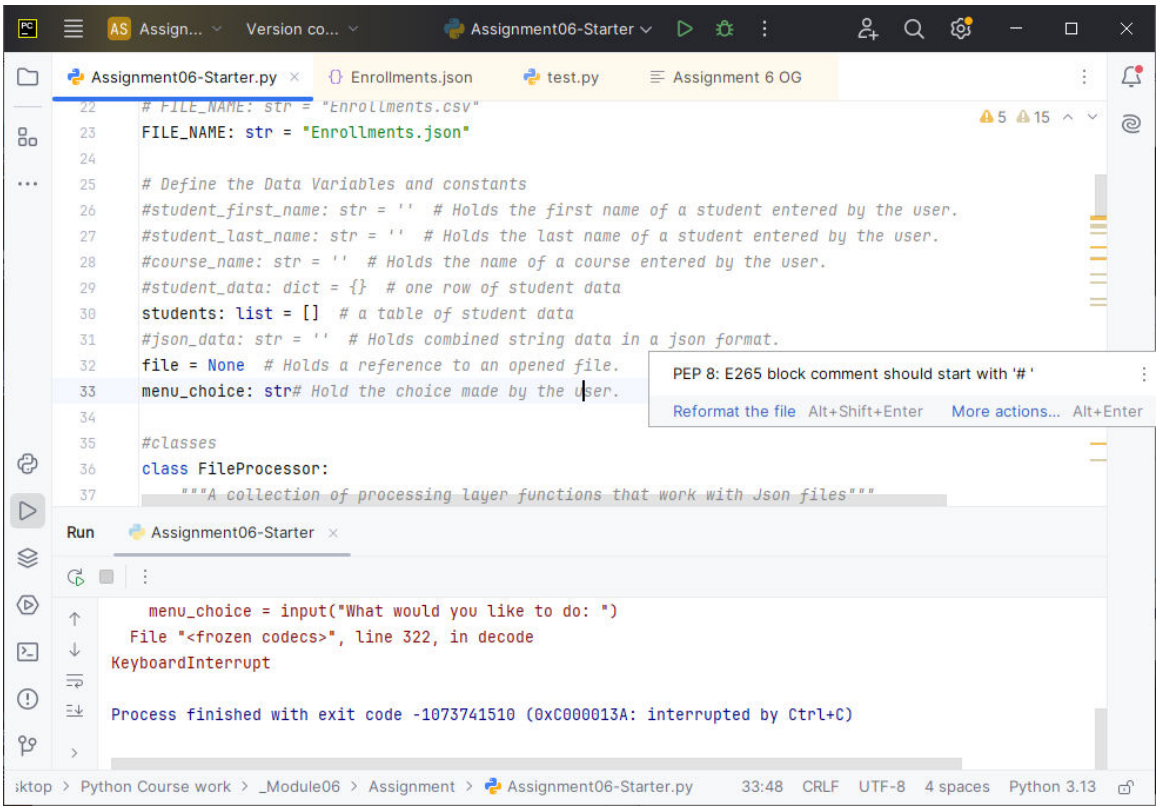


Oh the assignment demands the correct use of parameters. I have to remove my global variables.

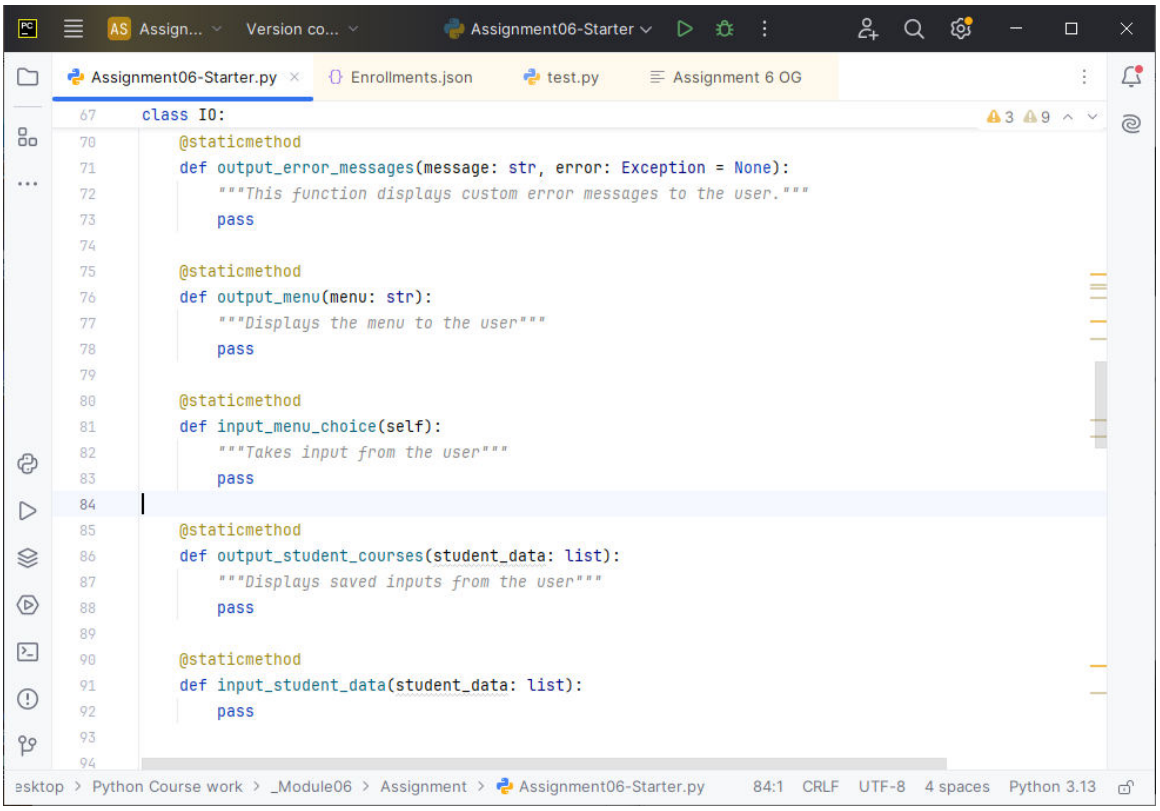
TypeError: read_data_from_file() missing 2 required positional arguments: 'file_name' and 'students'

Yeah thats the issue. Lets fix it.

Ok so a lots happened since I went to fix the error. I found having the parameters equal the variables outside the function make it work. And also other things can ruin the function like using a shadowing parameter wrong. And watching the instructor have the same issue helped too.

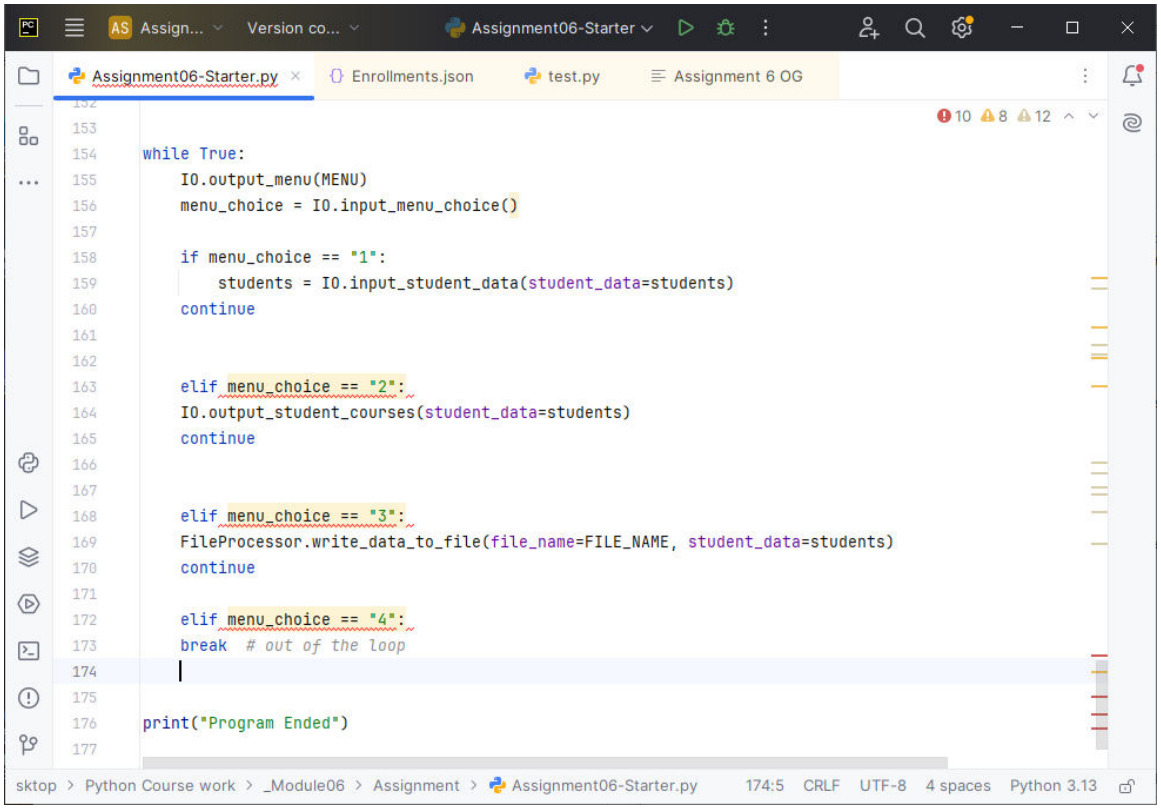


Ive commented out the variables I dont need. Added the file processor class. Added the IO class further down for processing data. Added some strings to explain function use.



Now Im going to move the lines in, get the functions functioning. I dont need to post more screenshots unless any of them give me trouble because it seems to be a matter of just moving the script into the correct function.

Heres the ending body of the script.



I feel like I followed the majority of the module. Everything is moved into the correct spots. These errors for "an illegal target for variable notation" isnt specific enough for me to figure out. But after I comment out the body the rest of the script functions up to that point. Looking up the error didnt really help. Its obvious issues like missing a parantheses, bad syntax, etc.