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IT FDN 110 A

<https://github.com/MMcCamman/IntroToProg-Python-Mod06>

Assignment 06– Functions

Introduction

This document outlines the steps I took to complete Assignment 05 in the IT FDN 100 A. In this assignment, I was asked to iterate an earlier program to use functions and separation of concerns.

Steps Taken

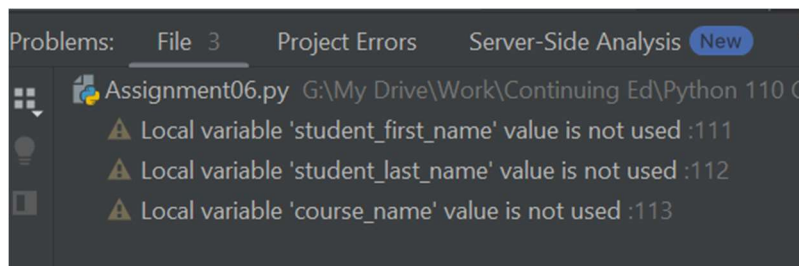
To complete this assignment, I took the following steps:

1. Created each of the classes and functions within the classes as stubs.
2. Incrementally copied over logic from the starter file to each function, and remedied the logic to work in the function set.

Issues Encountered

After completing my code, I did encounter one bug I had to address: I had attempted to use '+' rather than 'append' to add the output of `input_student_data()` to `students`. Honestly, I am still not quite sure why python doesn't understand a += of a dictionary to a list as an append, but I can live with this and fixed it quickly.

I continue to have three warnings that I don't quite understand as well:



It doesn't seem to like declaring the local variables as they appear here:

```

1 usage
@staticmethod
def input_student_data():
    student_first_name: str = ''
    student_last_name: str = ''
    course_name: str = ''
    student_data: dict = {}
    try:
        student_first_name = input("Enter the student's first name: ")
        if not student_first_name.isalpha():

```

But I can't really understand why that isn't what it wants me to do. It seems perfectly happy when I take away the initial "" value as follows:

```

9 @staticmethod
10 def input_student_data():
11     student_first_name: str
12     student_last_name: str
13     course_name: str
14     student_data: dict = {}
15     try:

```

But is it as simple as it doesn't like values that are never used?

Finally, I removed one of the criteria from the acceptance criteria. We are initially asked to use `input_student_data(student_data: list)`, but I don't understand why this needs any parameters? You don't need `student_data` inside the function and it's uglier to do it that way then to do it the way I did it.... I assume you are trying to append inside the function, but why? Some of these conventions seem far more esoteric than the R conventions...

Summary

This document uses plain English to outline the steps I took to complete Assignment 06 for this class as well as the issues I encountered in doing so.