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Assignment 6 – Functions

Introduction

For this assignment, we continued to create a menu of items for a student in which they could enroll in a course, show enrollment data, save the enrollment data to a .json file, or quit the program. Similar to last week, the information input by the student was saved to a dictionary with "FirstName", "LastName", and "CourseName" as the keys and their respective inputs as the values.

Discussion

In class we discussed .json files, key values for dictionaries, and classes. The key value discussion was very interesting and helped develop additional skillsets when using dictionaries. Learning about classes also helped condense the code and organize in a way that is likely more readable to the user. We also continued to use error handling which I believe I was able to correctly implement this time around.

Script Overview and Output

An example of the script I generated in Visual Studios is shown in Figure 1. The code was organized such that the variables and constants were defined at the top of the script, followed by classes and functions, and then the logical statements that provided the menu to the student.

I also created a new repository and have saved my script to the repository below: https://github.com/emike9852/IntroToProg-Python-Mod06.git

```
| Parameter agreement | New Co. Run | Temmal Help | Parameter | Pa
```

Figure 1 – Script using Visual Studios.

```
| File | Edit | Selection | View | Go | Run | Terminal | Help | Company | Passignment() | Pass
```

Figure 2 – Example .json File if Menu Item "3" was selected.

Summary

This assignment very challenging at first but after watching the demos and revisiting my notes from class I believe I was finally able to code it properly. I've really enjoyed working with dictionaries as they seem like a powerful tool in Python. Error handling is still difficult for me to format properly at first, but I believe I was able to implement it correctly for this assignment.