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Foundations of Programming: Python

[GitHub](https://github.com/jaytreelove/IntroToProg-Python-Mod09)

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Import

# Introduction

This is a script that will allow a user to add names and employee IDs to a single text file regardless of the application from with Python is run. This exercise is a continuation of combining different classes, with the addition of having the code spread out through multiple different files.

# Drafting the Script

As will the past several assignments, this script is divided according to Separation of Concerns. The difference from the previous assignments is that each Concern is separated into its own Python File.

With each file created, the Main script combines them all with the Import function (figure 9.1). There are a couple ways to do this. Either the entire script can be imported, or a specific Class from the script can be imported. Because the name of the Class will need to be typed out each time it is used, an alias is able to be assigned to it to make this task easier.

A screenshot of a cell phone

Description automatically generated

**Figure 9.1 – Import**

With the code being spread out across multiple scripts, troubleshooting bugs was harder than in previous assignments. I am getting quicker at remembering about the debugger tool available in PyCharm. I was able to recognize that the exception for employee\_id was not being checked when giving that input. With this assignment I partnered with a fellow student Erik Knighton to recognize and resolve this issue. The teamwork aspect of coding was useful in finishing this assignment

# The Result

Whether this program is run in PyCharm or Terminal,the same text file was able to be updated. I made changes to the Menu and Employee Output of the file that shows in the Console (figure 9.2).

A screenshot of a cell phone

Description automatically generated

**Figure 9.2 – Console**

# Conclusion

This is script that will allow a user to type in a product and price to save to a text file. This script was written using features learned throughout the course of this class and adding on the use of the Import function to combine multiple python scripts into one.