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Foundations of Programming: Python

Assignment 9

Repo: https://github.com/mah765/IntroToProg\_Python\_Mod09

12/13/21

**Working with Modules**

**Summary**

* In this assignment, we were required to run a main module that imports several other modules. The main script reads in a list of employees from a text file, and then lets a user choose to display those data, add new data, save back to file, or exit.
* We were required to run this script in both PyCharm and in a command window and show a screenshot of the output. We also had the option to post the files to a new Github repository.
* In the sections below, I provide several screenshots of the application working.

**Screenshots of the application working in PyCharm:**

Text

Description automatically generated

These are the results of an error handler finding blank lines in the input file.

When the user selects “1” to print the current data, these “invalid entries” are no longer shown:

Text

Description automatically generated

A user is able to enter a new employee like this:

Text

Description automatically generated

… yielding an additional employee in the list:

Text

Description automatically generated

The new employee shows up here.

But notice what happens when a user tries to enter an invalid employee name:

Text

Description automatically generated

An exception is raised, and an error message is printed. The employee is not added to the list. After writing the data back to file, the output looks like this:

Graphical user interface, text, application

Description automatically generated

I also confirmed that the script works in a terminal window, by typing “cmd” in the correct folder location:

Text

Description automatically generated

Here, I add another employee (myself) to the list:

Text

Description automatically generated

Finally, I confirm that the data was indeed written to file:

Graphical user interface, text, application

Description automatically generated