# Assignment Steps

I read the assignment, noted the main questions to be answered and watched all the videos and read the book chapter. I wrote this document in parallel to the noting discussion question answers as I went along.

# Discussion

What is the d

* What is the difference between a class and module?
  + A module is a file/script.
* What is the "main" module?
  + The place where the program starts
* What is the "\_\_name\_\_ " System Variable?
  + It identifies a module
* How do you connect one module to another?
  + Using the import command
* What is class inheritance?
  + Taking a base class and building upon it with another class, the later inherits the base class and adds functionality.
* What are three types of UML diagrams?
  + Structure, Class, and Component

Now that you have reviewed the websites and videos, **modify** a new script that manages a "ToDo list." This project is like the last one, but different enough to be a challenge.

**I have provided a starting template to I want you to modify and use for your program** called "Assigment06\_Starter.py". Currently the code loads data from a file into a Python List of Dictionary objects. However, the code only uses a few functions, and **your job is to add more functions to organize the code.** You may note that it is both easier and harder to work with someone else's code, and that is part of the assignment.

## 5.1 Create a folder

I’m using a somewhat different folder structure because I am working on multiple classes

## 5.2 Create a new project in PyCharm

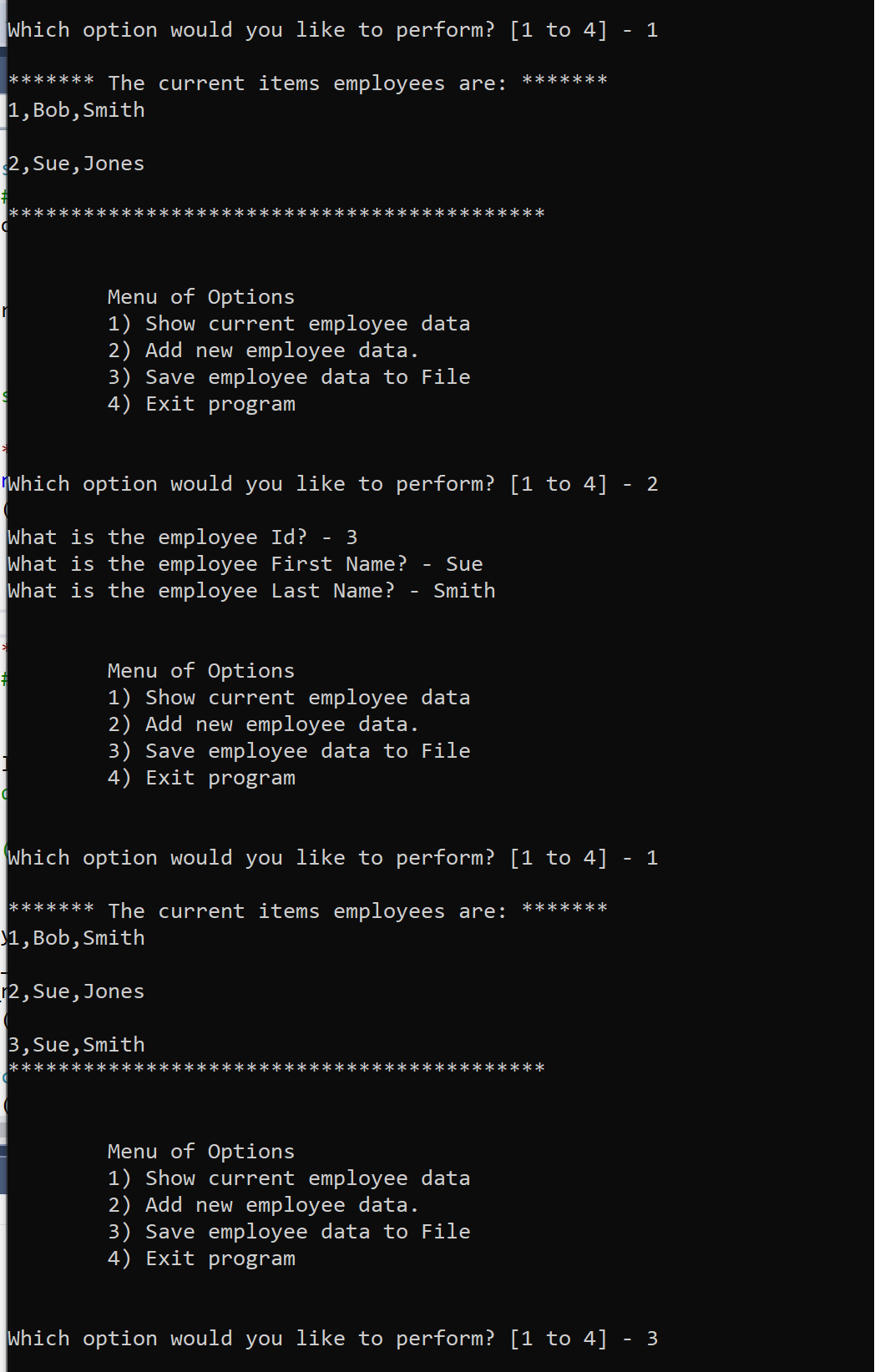
I’m actually using MS Virtual Studio. I hope that’s ok. I’ve been using my work laptop and they don’t like me to download too many things. I’m confident that I get the idea of the IDEs and how they function.

## 5.3 Add code to your Script

I have provided starter code in the file called, "Assigment08-Starter.py" on Canvas. Currently, the code does nothing, but it does include pseudo-code (Listing 1). Your task is to read and understand the pseudo-code, then add code to make the application work. Make sure to include error handling!

## 5.4 Run Your Script

As mentioned, this is run in the MS Visual Studio IDE



It looks the same in the command prompt.

# 6 Document your knowledge

The way of linking files and managing their interactions is nice. The ability to include a shortened name for classes is nice, like from DataClasses import Employee as Emp.

# 7 Post your Files to GitHub

https://github.com/speroni1/IntroToProg-Python-Mod09