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CSC\_157\_Lab\_010\_QA

**1. In the starter code for this application, what was the purpose of this code statement? authors = []**

This is an initizialing assignment to what will be a class variable (as opposed to an instance variable).

**2. In the starter code for this application, what was the name of the base class? What was the name of the derived class?**

Inventory is the base (or super) class, and Books is the derived (or sub) class.

**3. What is the purpose / action of using super() ?**

Super() brings the methods that were extended from a super (or base) class into scope. In this instance, we are calling `super().\_\_init\_\_(title, description)` to skip repeating the initializing code in the parent class.

**4. In the starter code for this application, what was the purpose of this code statement?**

**Books.authors.append(author)**

This statement appends the “author” instance input (new\_book = Books(title, description, author)) into the class variable “authors”, which means that the “author” in the instance will be accessible by all instances of the class.

**5. What have you learned from performing and coding for this lab assignment?**

Learned a good bit about class variables vs instance variabls, as well as using the JSON module as an alternative to the pickle module for storing and reading data. Also, learned about pretty printing in python (using pprint module as well as JSON module optional arguments) and got practice with try/ except and exception classes as well. With this lab, I feel like I’ve reached the plateau in this class where I’m beginning to learn more about Python, as I had come into the class with some previous knowledge. Beginning to get acquainted with OOP (which I’m unfamiliar with, as a Javascript / functional programming dev) and ways to read/write to the os file system (which I’m unfamiliar with as I almost always program for the browser in my professional life). Cool stuff! Definitely beginning to fill in the gaps in my education.