Lab

Bradley Grose

# Problem

In this code, we must have the user type in the length width and height of 5 boxes. The code must then calculate the volume of the boxes and then print out the list of boxes with the identifier in increasing volume order.

# Solution

For my solution, I have a class BoxSorter that using the main method constructs an array of size 5 and used the Box() class to fill with default values. Then, using a for loop I have it prompt the user and collect the information. Then I send that information to setters in the Box() function that assign that variable to the object box in that array space. This fills the 5 boxes. Then, using another for loop, as well as a for loop with a counter that is one more, I look for the largest smallest sizes box and have the for loop switch positions so that it eventually sorts out to least to greatest. Then, using another for loop, I print out the whole array. Using a to string function.

# Implementation Problems Encountered

There were no problems that I encountered in the code.

# Lab Report Questions

1. Null means that there is no contents in that object type or array spot
2. It is not safe to assume that all the objects are constructed as there has to be code calling and actually setting the values. The area can be declared and initialized but it will be full of null spots.