Name:

Do your work in this directory:

/data/courses/ece\_1111/current/quizzes/qu\_11/lastname\_firstname

creating a file named p01.py that contains your solution.

You probably noticed that in America, we celebrate Thanksgiving by serving an elaborate meal that often includes turkey and pumpkin pie. Create a class called Dinner that has, as internal protected data, two classes: Turkey and PumpkinPie. The Turkey class should have internal data that consists of a float containing its weight and a character string pointer containing the vendor’s name (e.g., Butterball). Your PumpkinPie class should contain the weight of the pie as a float, and the diameter of the pie in inches. You can use one header file for all three classes.

Your Dinner class needs to have four methods:

1. Constructor that accepts values for the weight and vendor’s name for the Turkey object that is data within the Dinner class, as well as the weight and diameter of the PumpkinPie object. It should pass these values to the objects contained within the class (it should initialize them via their constructors).
2. A print method that displays all internal data (it will simply call the Turkey and PumpkinPie print methods).

Your driver program should take the following arguments:

p01.py 21.0 “Butterball” 2.0 9.0

where the first two are associated with the Turkey class and the second two are associated with the PumpkinPie class.

The driver program should create a Dinner object using the command line values, and then call your print method to display the internal data values. This should demonstrate that you have successfully constructed an object and passed the values to the objects within the Dinner class.