Assessments

The programming solutions for each chapters' questions can be found in our GitHub repository at the following URL: `https://github.com/PacktPublishing/Demystified-Object-Oriented-Programming-with-CPP/tree/master`. Each full program solution can be found in the GitHub under the appropriate chapter heading (subdirectory, such as `Chapter01`) in the subdirectory `Assessments`, in a file that corresponds to the chapter number, followed by a dash, followed by the solution number in the chapter at hand. For example, the solution for question 3 in chapter 1 can be found in the subdirectory `Chapter01/Assessments` in a file named `Chp1-Q3.cpp` under the aforementioned GitHub directory.

The written responses for non-programming questions can be found in the following sections. Should an exercise have a programming portion and a follow-up question, the answer to the follow-up question may be found both in the next sections and in a comment at the top of the programming solution on GitHub (as it may be appropriate to review the solution in order to fully understand the answer to the question).

Chapter 8 – Mastering Abstract Classes

1. **a – d**: Please see `Chapter08/Assessments/Chp8-Q1.cpp` in the GitHub repository.

   e: Depending on your implementation, your `Shape` class may or may not be considered an interface class. If your implementation is an abstract class that contains no data members and only abstract methods (pure virtual functions), your `Shape` implementation is considered an interface class. If your `Shape` class, however, stores `area` as a data member once it has been calculated by the overridden `Area()` method in the derived classes, it is then just an abstract base class.