

# 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 9 – Exploring Multiple Inheritance

1. Please see `Chapter09/Assessments/Chp9-Q1.cpp` in the GitHub repository.
  - a: There is one `LifeForm` sub-object.
  - b: The `LifeForm` constructor and destructor are each invoked once.
  - c: The default constructor for `LifeForm` would be invoked if the specifications of an alternate constructor of `LifeForm(CENTAUR_LIFE)` was removed in the member initialization list of the `Centaur` constructors.
2. Please see `Chapter09/Assessments/Chp9-Q2.cpp` in the GitHub repository.
  - a: There are two `LifeForm` sub-objects.
  - b: The `LifeForm` constructor and destructor are each invoked twice.