Module 1. Introduction to C and C++ Exercises

- 1. Indicate True or False for the following statements concerning C++'s relationship to the C language. _____ (a) C++ is approximately a superset of C. _____ (b) Most of the constructs of C are included in C++.
- ____ (c) C++ adds extensions to C that improve the language's syntax, make it easier to use, and that support object-oriented programming.
- (d) There are constructs supported by C that are not supported by C++.(e) There are constructs that are present in both C and C++ that
- have different meanings in the two languages.
- 2. In the following C++ program segment, change the C-style comments to C++-style comments:
 - /* Compute and echo volume of aquarium */ fish_number = volume / 256; /*Each fish needs 256 cubic inches of water*/
- 3. Write the #include statement for the standard C++ #include file for input/output.
- 4. Write three C++ output statements using cout, <<, and endl: (a) one that outputs the variable width, (b) another that outputs the string "length is " and the variable length, and (c) another that outputs the three variables alpha, beta, and gamma.
- 5. Write two C++ input statements using cin and >>: (a) one that inputs the variable width, (b) another that inputs the three variables length, width, and height.