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Review Questions Module 6:

11. When overloading the postfix (++) operator, its function must have a dummy parameter.

13. Object composition is useful for creating a(n) has-a relationship between two classes.

14. A constructor that takes a single parameter of a type different from the class type is a convert constructor.

19. Describe the difference between making a class a member of another class (object composition) and making a class a friend of another class.

Making an instance of one class an attribute of another class is called object composition which means “a whole that is made of constituent parts”

Example: Course class has and Instructor and Textbook objects as member variables. Those objects are used as attributes of Course object.

Making a class as a friend of another class will have access to the private members of the class which adds another class as friend.

22. Explain why a class’s copy constructor is called when an object of that class is passed by value into a function.

A class’s copy constructor is called when an object of that class is passed by value into a function because the parameter variable is created in memory when the function executes, and is initialized with the argument object.