Lab 6

Due Date: Sunday, 27 July, 23:59:59

1. Chapter 14, programming project 1.

Write a program that uses the class SalariedEmployee given in Display 14.4 . Your program is to define a derived class called Administrator , which is to be derived from the class SalariedEmployee . You are allowed to change private in the base class to protected . You are to supply the following additional data and function members:

- A member variable of type string that contains the administrator's title, (such as Director or Vice President).
- A member variable of type string that contains the company area of responsibility (such as Production, Accounting, or Personnel).
- A member variable of type string that contains the name of this administrator's immediate supervisor.
- A protected member variable of type double that holds the administrator's annual salary. It is possible for you to use the existing salary member if you changed private in the base class to protected .
- A member function called setSupervisor , which changes the supervisor name.
- A member function for reading in an administrator's data from the keyboard.
- A member function called print , which outputs the object's data to the screen.
- Finally, an overloading of the member function printCheck( ) with appropriate notations on the check.

Clarification: The president will not have a supervisor. He/she may report to a board, but that is not the same thing. In theory a VP would only report to someone who was president and a director would only report to a VP. For 1 point extra credit modify setSupervisor to check if the new supervisor has the appropriate title. Remember the labs are graded on a 10 point scale so that's 10% of extra credit. This WILL effect how you populate the company so bear that in mind when testing. setSupervisor should indicate an error if the person doesn't exist or doesn't have the correct title.

HINT: Implement your program incrementally. The constructors should be simple and few. Get the variables set. Then add the functions one by one. For the most they're just mutators and accessors (get and set functions).