

Minh Nguyen

Lab 6: Programming Project 1

CS 162

Design

For this lab, I will create a derived class called Administrator with a few redefined member functions such as the printcheck and print function. I will make all the variables from the parent classes to be protected so I can freely explicitly call them in the derived class. In an input member function, I will prompt the administrator to enter in their information, and save the member variables directly into the mutator functions by calling the mutator functions right after each variable is inputted. Then the print statement would simply be to print out these inputs. My main function would look quite simple as I would just create the administrator object, call the input function, call the print function, then call the printcheck function.

Testing

As mentioned above in design, the testing portion would simply be creating an administrator object and then calling the inputs and print functions to see if the printed statement comes out as planned. I did not have social security number and salary printed because I wasn't asked to do so in this particular lab, but it is readily there if I needed to change it

Reflection

The design was rather straightforward and I carried out my design plan as how I wrote it. I was able to avoid using set functions as the input member function was able to just call out the get

functions so that saved extra space in my code since I was able to just pile it into one function.

The result is the same as if I had used set functions.