CIS 400 HW3

Question 1

The difference between C# and Java is that functions are virtual by default in Java. This means no need to do anything special for dynamic binding. In C# you need the virtual and override key word. For C++, I had to do the same thing with C# and make the function virtual but no need for override. In C++ I had to use an Animal pointer to enable dynamic binding whereas C# and Java are smart enough to know the correct class.

Question 3:

C# it won’t compile unless securityInfo is also internal as protected stops a nonderived class from accessing. Making the classes internal changes northing. SecurityInfo and name are also never set. In Java, the complier didn’t complain about protected and ran normally.