Prob 4 write up

For this problem, I start off by creating a class array from the KingsClass class that has a size of three elements, each one having a new class which are KingsClass, QueensClass and JacksClass. I will be using for loop, foreach loops and a switch statement to demonstrate polymorphic behavior by creating a hierarchy of classes and by having the classes call methods from the base class by means of overriding and casting. KingsClass is the parent of QueensClass while the QueensClass is the parent of JacksClass.

We’ll be also using the “is” and “as” keywords to compare an object from the KingsClass class is from that class and if it is, it’ll run a specific line of code.

All methods in these classes when called will print out some texts and each class can call a method with the same name and print out their own unique texts through overriding. Normally other classes can’t call a method from some other class so the only other way to call a method from that class is if that method has the “virtual” keyword where the method is being first created and the class calling that method has the “override” keyword where the method is also being created in their own class file.