Recitation Assignment 1 – Inheritance

Due: At the end of recitation

This is an in class assignment. Your pair must finish and demo your work to the TA's before the end of recitation in order to receive credit.

You are provided with Fish.java which represents all fishes. Your assignment is to write a java class that represents one specific kind of fish. For example, if you were to create a Shark class, you might add an object variables (instance field) that is unique to the shark (not specified in the Fish class), for example, length of a shark. Create a constructor that accepts and initializes the new object variable(s), and also calls super class' constructor. The Shark class should also overwrite Fish class' greeting method so it has a unique greeting, for example, a shark's greeting can print out, "I can bite you." Last, the subclass should also have a unique method that Fish class doesn't have. For example, Shark class can have bite() method that prints out "Bite!!" which Fish class doesn't have.

Create at least one class that inherits from Fish.java. The subclass(es) must meet the following requirements:

1. Subclass must call super class's constructor.
2. Subclass must overwrite super class's greeting() method.
3. Subclass must have a unique method.

Grading Criteria:
- Inherits from super class   3 pts.
- Calls super class' constructor   2 pts.
- Overwrite greeting() method   3 pts.
- Has at least one new method   2 pts.