CS212 Lab 13: Chapters 8
Inheritance and Polymorphism

Goals:

- To write base class.

- To write derived class.

- To test the base class.

- To test the derived class.

Exercise 1

1)Define a class named Doctor whose objects are records for a clinic's doctors. Derive this class from the class Person we have studied in lecture. A Doctor record has doctor's name - defined in class Person - a speciality as a string (for example, Pediatrician, Obstetritian, General practitioner, and so on), and an office-visit fee (use the type double). Give your class a reasonable complement of constructors, and accessor methods, an equals method, and a toString method as well. Write a test program to test all your methods.

2)Define class named Patient whose objects are records for a clinic. Derive Patient from the class Person that we discussed in the lecture. A Patient record has the Patient's name (defined in the class Person) and identification number (use the type String). Give this class a reasonable complement of constructors and accessor methods, a toString and an equals method. Test your Patient class.