

CS212 Lab 13: Chapters 8 Inheritance and Polymorphism

Goals:

- To write class that makes use of base class with its sub classes.

Exercise 1

1) Write a class named Billing. A Billing object will contain a Patient object and a Doctor object from the last lab class. The Billing class needs patient information, doctor information to generate the billing statement. So you pass, a Doctor object and a Patient Object to the constructor of the Billing class. The Doctor object has the payPerVisit information, and the doctor's name, and the Patient object has the patient information. The instance variables for this class are patient's name, doctor's name and billing amount.

- Give your class a reasonable complement of constructors and accessor methods, and an equals method as well.
- Test all your methods in the billing class.
- Finally write a BillingTest program that creates at least two patients, at least two doctors, and at least two Billing records and then displays the total income from the Billing records.