Assignment for Lecture 7

1. Employee Class

Create a class called Employee that includes three instance variables—a first name (type String), a last name (type String) and a monthly salary (double). Provide a constructor that initializes the three instance variables. Provide a set and a get method for each instance variable. If the monthly salary is not positive, do not set its value . Write a test application named EmployeeTest that demonstrates class Employee's capabilities. Create two Employee objects and display each object's yearly salary. Then give each Employee a 1 0% raise and display each Employee's yearly salary again

2. Programming Challenges

6.5 6.6 6.8 Tony Gaddis Java.

3. Modify the CellPhone Project (TextBook page 352) as follows:

- Add a field for discount rate (a double value). For example a discount 10% on the price means 0.1.

- Add method setDiscountRate that takes a non negative value and set it to the discount rate field of the CellPhone class. This method returns true if it runs successfully and false if the argument is invalid.

- Modify the method getRetailPrice so that if the value of discount rate is different to 0, apply the discount on the retail price.

- Write the constructor that initialize all fields using parameters.

- In the CellPhoneTest class, add a new object phone 2 with a discount rate inputted from keyboard and display all information about this phone.

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