Object Oriented Programming with Java

Lab Practice:3

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1. Suppose you have money deposited $500, $800, $1200 in banks X, Y, and Z respectively. You have to print the money deposited by your in a particular bank. Create a '***BANK***' class with a method '***myBalance***' which returns 0. Make three subclasses as '***BankX***', '***BankY***', and '***BankZ***', each with the same method '***myBalance***' which will return the amount in the particular bank. Call the method '***myBalance***' by the object of each of the three banks.

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2. Let's create a class called '***Employee***' which has the attributes **Id, Name, Job Level (ex: start, mid, or high), Salary, and Address**.

   a. Write a method that will print all the fields of the class.

   b. Use a parameterized constructor.

   c. Write the main method to instantiate an object ***myEmp*** of type Employee and call the **print** method which will print your name and address.

3. Add to the application written to solve the Problem 2. 40

   Write a method ***'netSalary'*** to calculate the net salary of an employee given the overtime hours that he/she has worked (pass as method argument) and print the salary. Consider the following process to calculate the salary:

   a. If not overtime hours are reported then the net salary = base salary

   b. If overtime hours < 10 then the net salary = salary + overtime hours * 7.5

c. If overtime hours > 10 the net salary = salary + 10 * 7.5 + (overtime hours – 10) * 5.

Test the method by calling this method from your main method.