Assignment2 JAVA2 Weight 3%

**Create a superclass named Commission.**

Commission class has the properties employee’s first name, last name, social security number, gross sales and commission rate.

Declare all data members as private.

Create argument constructor for Commission class. Use get or set method as necessary.

Create a method earning() which calculate earning of employee. (earning=gross sales\* commission rate).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Create a subclass BaseCommission** which inherit properties of Commission class.

BaseCommission class has a property basic salary.

Create argument constructor for BaseCommission class. Use get or set method as necessary.

Create a method countSalary() which calculate salary of employee. (salary=basic salary+earning).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write a Test class program** in which Ask user to enter values of employee’s first name, last name, social security number, gross sales, commission rate and basic salary.

Create object of BaseCommission class and use toString() method to print the employee’s information as per following:

Employee first name:

Employee last name:

Employee SIN number:

Employee Gross sales:

Employee Commission rate:

Employee basic salary:

Employee Earning:

Employee Salary:

Submission and Marking Scheme:

Submit zip file through drop box.

You must also copy and paste all of your source code from all of your classes into a Word document and also submit this document file separately.

Submit this document **in addition to** your source code zip file. **DO NOT add it inside your zip file** - it must be a separate file. This is used for TurnItIn.

Your submissions will be graded with the following consideration:

Marks will be given for originality of the code.

Program is stored in an appropriately named file

Program has the proper header information including your name and program

Program compiles successfully and without warnings

Program is complete and produces correct results

Program uses appropriate indentation to show logical path flows

Program has proper commenting

Marks will be deducted for poor commenting and/or not following Java naming conventions.