**Write a Java program to generate the following requirements.**

1. **Create a new Project: Abstract\_Employee**
2. **Create a new Abstract class called Employee.** 
   1. It has two (2) attributes ***empName*** and ***basicSalary***, each of which is a String and double respectively.
   2. It has a blank constructor as well as another constructor with 2 parameters.
   3. It contains two (2) abstract methods: ***grossSalary()*** and ***displayInfo()***.
   4. It has setters and getters.
3. **Create a subclass called Manager that extends the Employee class.**
   1. It has a private attribute ***Bonus*** of type double.
   2. It has a blank constructor and another one with parameters.
   3. The ***grossSalary()*** method returns the value of the sum of ***basicSalary*** and ***Bonus***.
   4. The ***displayInfo()*** method simply outputs the following details:
      1. Manager Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
      2. Basic Salary: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
      3. Annual Bonus: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
      4. Total Salary: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. It has a setter and getter.
4. **Create a subclass called Programmer that extends the Employee class.**
   1. It has two (2) private attributes ***NoHrsWorked*** and ***RatePerHr*** both of which areof type double.
   2. It has a blank construct and another one with parameters.
   3. The ***grossSalary()*** method returns the value of the sum of ***basicSalary*** and the product of ***NoHrsWorked*** *and* ***RatePerHr***.
   4. The ***displayInfo()*** method simply outputs the following details:
      1. Programmer name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
      2. Basic Salary: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
      3. No. of Hours Worked: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
      4. Rate Per Hour: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
      5. Gross Salary: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. It has setters and getters.
5. **The main program (Abstract\_Employee) has the following details:**

//import a Scanner

//after the public static void main (String[] args){

//instantiate a Scanner variable as SC

//instantiate a Manager class as M

//display <<< Data Entry for Manager >>>

//display and accept an input for the following

// Name: \_\_

// Salary: \_\_

// Bonus (Annual): \_\_

//display <<< Manager Details Report >>>

//call ***displayInfo()*** from Manager class

//display 20 dashes );

//instantiate a Programmer class as P

//display <<< Data Entry for Programmer >>>

//display and accept an input for the following

// Name: \_\_

// Salary: \_\_

// Total Hours Worked: \_\_

// Rate / Hour: \_\_

//display <<< Programmer Details Report >>>

//call ***displayInfo()*** from Programmer class