**Develop a code for the following scenario.**

“An encapsulated class contains three variables to store Name, Age and Salary of the employee. Evelop getters and setters to set and get values . Develop a test class to test your code.”

public class Employee {

private String employeeName;  
 private int age;  
 private float salary;  
  
 public void setEmployeeName(String employeeName){  
 this.employeeName = employeeName;  
 }  
 public void setAge(int age){  
 this.age = age;  
 }  
 public void setSalary(float salary){  
 this.salary = salary;  
 }

public String getEmployeeName(){  
 return employeeName;  
 }  
 public int getAge(){  
 return age;  
 }  
 public float getSalary(){  
 return salary;  
 }  
}

Now modify the same code by trying to replace the setters using a constructor.

public class Employee {

private String employeeName;  
 private int age;  
 private float salary;

public Employee(String employeeName, int age, float salary){  
 this.employeeName = employeeName;  
 this.age = age;  
 this.salary = salary;  
 }  
  
 public String getEmployeeName(){  
 return employeeName;  
 }  
 public int getAge(){  
 return age;  
 }  
 public float getSalary(){  
 return salary;  
 }  
}

**Code for the last example has been discussed during the class. We need the following Output. (Use Netbeans code generation option where necessary)**

Employee Name: xxxxx (Use setter to set and getter to retrieve)

Basic Salary: xxxx (Use setter to set and getter to retrieve)

Bonus: xxxx (You may use the constructor to pass this value)

Bonus Amount: xxxxx (Develop a separate method to calculate Bonus amount. Bonus amount is the total of Bonus and Basic Salary)

E.g.

Employee Name: Bogdan

Basic Salary: 50000

Bonus: 10000

Bonus Amount: 60000

public class Employee {  
 private String employeeName;  
 private int basicSalary;  
 private int bonus;  
  
 public Employee(int bonus){  
 this.bonus = bonus;  
 }  
  
 public void setBasicSalary(int basicSalry){  
 this.basicSalary = basicSalry;  
 }  
 public void setEmployeeName(String employeeName){  
 this.employeeName = employeeName;  
 }  
  
 public int getBasicSalary(){  
 return basicSalary;  
 }  
 public String getEmployeeName(){  
 return employeeName;  
 }  
 public int getBonus(){  
 return bonus;  
 }  
  
 public int calculateBonus(){  
 int bonusAmount;  
 bonusAmount = basicSalary + bonus;  
 return bonusAmount;  
 }  
}

public class Main {

public static void main(String []args){  
 var employee1 = new Employee(10000);

employee1.setEmployeeName("Bogdan");  
 employee1.setBasicSalary(50000);  
  
 System.*out*.println("Employee Name: "+employee1.getEmployeeName());  
 System.*out*.println("Basic Salary: "+employee1.getBasicSalary());  
 System.*out*.println("Bonus: "+employee1.getBonus());  
 System.*out*.println("Bonus amount: "+employee1.calculateBonus());  
 }  
}