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 name;
  private int age;
  private double salary;
  public String getName() {
    return name;
 }
  public void setName(String name) {
    this.name = name;
 }
  public int getAge() {
    return age;
  }
  public void setAge(int age) {
    this.age = age;
  }
```

```
public double getSalary() {
    return salary;
 }
  public void setSalary(double salary) {
    this.salary = salary;
 }
}
public class TestEmployee {
  public static void main(String[] args) {
    Employee emp = new Employee();
    emp.setName("John Doe");
    emp.setAge(30);
    emp.setSalary(5000.0);
    System.out.println("Name: " + emp.getName());
    System.out.println("Age: " + emp.getAge());
    System.out.println("Salary: " + emp.getSalary());
 }
}
Now modify the same code by trying to replace the setters using a constructor.
public class Employee {
```

```
private String name;
  private int age;
  private double salary;
  public Employee(String name, int age, double salary) {
    this.name = name;
    this.age = age;
    this.salary = salary;
 }
  public String getName() {
    return name;
 }
  public int getAge() {
    return age;
 }
 public double getSalary() {
    return salary;
  }
}
public class TestEmployee {
```

```
public static void main(String[] args) {
    Employee emp = new Employee("John Doe", 30, 5000.0);
    System.out.println("Name: " + emp.getName());
    System.out.println("Age: " + emp.getAge());
    System.out.println("Salary: " + emp.getSalary());
  }
}
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 name;
  private double basicSalary;
```

```
private double bonus;
public Employee(double bonus) {
  this.bonus = bonus;
}
public String getName() {
  return name;
}
public void setName(String name) {
  this.name = name;
}
public double getBasicSalary() {
  return basicSalary;
}
public void setBasicSalary(double basicSalary) {
  this.basicSalary = basicSalary;
}
public double getBonus() {
  return bonus;
```

```
Practical 03 - Encapsulation
 }
  public double getBonusAmount() {
    return basicSalary + bonus;
 }
}
public class TestEmployee {
  public static void main(String[] args) {
    Employee emp = new Employee(10000);
    emp.setName("Bogdan");
    emp.setBasicSalary(50000);
    System.out.println("Employee Name: " + emp.getName());
    System.out.println("Basic Salary: " + emp.getBasicSalary());
    System.out.println("Bonus: " + emp.getBonus());
    System.out.println("Bonus Amount: " + emp.getBonusAmount());
  }
```

}