Practical 3

1)

```
public class Employee {
    private String name;
    private int age;
    private double salary;
   // Getter and setter for Name
    public String getName() {
        return name;
    }
   public void setName(String name) {
        this.name = name;
    }
   // Getter and setter for Age
    public int getAge() {
        return age;
    }
   public void setAge(int age) {
        this.age = age;
    }
    // Getter and setter for Salary
    public double getSalary() {
        return salary;
    }
    public void setSalary(double salary) {
        this.salary = salary;
    }
```

```
}
```

Test class

```
public class TestEmployee {
   public static void main(String[] args) {
      Employee employee = new Employee();

      // Set values using setters
      employee.setName("John Doe");
      employee.setAge(30);
      employee.setSalary(5000.0);

      // Get values using getters
      System.out.println("Name: " + employee.getName());
      System.out.println("Age: " + employee.getAge());
      System.out.println("Salary: " + employee.getSalary());
   }
}
```

Using constructor

```
public class Employee {
    private String name;
    private int age;
    private double salary;
 // Constructor
    public Employee(String name, int age, double salary) {
        this.name = name;
        this.age = age;
        this.salary = salary;
    }
 // Getter for Name
    public String getName() {
        return name;
    }
// Getter for Age
    public int getAge() {
        return age;
    }
// Getter for Salary
    public double getSalary() {
        return salary;
    }
 }
```

Test class

```
public class TestEmployee {
    public static void main(String[] args) {
        Employee employee = new Employee("John Doe", 30, 5000.0);

        // Get values using getters
        System.out.println("Name: " + employee.getName());
        System.out.println("Age: " + employee.getAge());
        System.out.println("Salary: " + employee.getSalary());
    }
}
```

2)
```
public class Employee {
    private String name;
    private double basicSalary;
    private double bonus;
public Employee(String name, double basicSalary, double bonus) {
        this.name = name;
        this.basicSalary = basicSalary;
        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;
    }
 public void setBonus(double bonus) {
        this.bonus = bonus;
    }
 public double calculateBonusAmount() {
```

```
        return basicSalary + bonus; } }
```

Test class

```
public class TestEmployee {
    public static void main(String[] args) {
        Employee employee = new Employee("Bogdan", 50000, 10000);


        System.out.println("Employee Name: " + employee.getName());
        System.out.println("Basic Salary: " + employee.getBasicSalary());
        System.out.println("Bonus: " + employee.getBonus());
        System.out.println("Bonus Amount: " + employee.calculateBonusAmount());
    }
}
```