Question1:

```
Start Page × 💩 Product.java × 🚳 ProductTester.java ×
Source History 🔯 🖫 - 💹 - 🔍 🔁 🗗 🖫 😭 🚱 🖭 💇 🐞 🖂 🕌 🚉
     package product;
 3
 4
     public class Product {
       private final int RATE = 10; // assuming a default discount rate of 10%
 5
       private int ID;
        private String Name;
        private double Price;
 8
       private int year;
10
       private int count;
11
       // Constructors
12
13 🗐
        public Product(int id, String name, double price) {
          this.ID = id;
14
15
           this.Name = name;
16
           this.Price = price;
17
           this.year = 2023;
18
           this.count = 100;
19
-
      public Product(int id, String name, double price, int year, int count) {
          this.ID = id;
          this.Name = name;
          this.Price = price;
          this.year = year;
          this.count = count;
      // Setters
-
      public void setID(int id) {
      ID = id;
      public void setName(String name) {
      Name = name;
   public void setPrice(double price) {
          Price = price;
```

```
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Source
42 -
          public void setyear(int year) {
 8
              year = year;
44
45
46 -
          public void setcount(int count) {
 8
              count = count;
48
49
          // Getters
50
51 -
          public int getID() {
             return ID;
52
53
54
55 -
         public String getName() {
             return Name;
56
57
58
59 🖃
          public double getPrice() {
60
             return Price;
61
          1
62
63 =
         public int getyear() {
64
         return year;
nroduct Product > a setPrice >
7
     public String toString() {
        return ID + ", " + Name + ", " + computeSellingPrice();
     // Methods
public double computeSellingPrice() {
        return Price - computeDiscount();
     public void sell(int sold_number) {
     count -= sold number;
     private double computeDiscount() {
     return Price * RATE / 100.0;
```

```
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/License-default.txt to change this
      * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
3
   */
4
5
    package producttester;
6
7
8
    public class ProductTester {
9
10 🗐
         public static void main(String[] args) {
8
             Product p1 = new Product(9, "Fatima", 8000);
8
            Product p2 = new Product (6, "Phone", 223, 2024, 90;
13
14
             System.out.println("Product 1 " + p1);
15
             System.out.println("Product 2 " + p2);
16
17
18
             p1.sell(10);
19
             p2.sell(20);
20
21
             System.out.println("Product 1 after selling: " + p1);
22
             System.out.println("Product 2 after selling: " + p2);
23
24
     }
25
```