

```
IA invoice_assignment Version control Current File
Invoice.java
1 public class Invoice {
2     public static void main(String[] args) {
189         System.out.printf("%-56s %-58s\n", "Email: " + email, "Email: " + email);
190
191         System.out.println("-----");
192         System.out.printf("%-58s %-45s\n", "Payment Date: 7 days from date of delivery", "Payment Terms: 100% against invoice");
193
194         System.out.println("-----");
195         System.out.printf(headerFormat, "S.No", "Product Code", "Product Name", "HSN code", "Quantity", "Units", "Rate", "Tax", "Amount");
196         System.out.println("-----");
197
198         System.out.printf(rowFormat, 1, p1Code, p1Name, p1HSN, p1Qty, "nos", p1Rate, (int)(p1TaxRate * 100), p1TotalAmount);
199         System.out.printf(rowFormat, 2, p2Code, p2Name, p2HSN, p2Qty, "nos", p2Rate, (int)(p2TaxRate * 100), p2TotalAmount);
200         System.out.printf(rowFormat, 3, p3Code, p3Name, p3HSN, p3Qty, "nos", p3Rate, (int)(p3TaxRate * 100), p3TotalAmount);
201         System.out.printf(rowFormat, 4, p4Code, p4Name, p4HSN, p4Qty, "nos", p4Rate, (int)(p4TaxRate * 100), p4TotalAmount);
202         System.out.printf(rowFormat, 5, p5Code, p5Name, p5HSN, p5Qty, "nos", p5Rate, (int)(p5TaxRate * 100), p5TotalAmount);
203         System.out.printf(rowFormat, 6, p6Code, p6Name, p6HSN, p6Qty, "nos", p6Rate, (int)(p6TaxRate * 100), p6TotalAmount);
204         System.out.printf(rowFormat, 7, p7Code, p7Name, p7HSN, p7Qty, "nos", p7Rate, (int)(p7TaxRate * 100), p7TotalAmount);
205
206         System.out.println("-----");
207
208         String footerFormat = "%-8s %-12s | %-10.2f\n";
209
210         System.out.printf(footerFormat, "", "Total ", totalAmount);
211         System.out.printf(footerFormat, "", "Discounts ", discountValue);
212         System.out.printf(footerFormat, "", "Grand total", grandTotal);
213         System.out.println("-----");
214     }
215 }
```

```
IA invoice_assignment Version control Current File
Invoice.java
1 import java.util.Scanner;
2
3 public class Invoice {
4
5     public static void main(String[] args) {
6         final double DISCOUNT_RATE = 0.086368;
7         Scanner scanner = new Scanner(System.in);
8
9         System.out.println("Bill to Information");
10        System.out.print("Enter Supermarket Name: ");
11        String supermarketName = scanner.nextLine();
12
13        System.out.print("Enter Address Line 1: ");
14        String addressLine1 = scanner.nextLine();
15
16        System.out.print("Enter Address Line 2: ");
17        String addressLine2 = scanner.nextLine();
18
19        System.out.print("Enter GSTIN: ");
20        String gstin = scanner.nextLine();
21
22        System.out.print("Enter Contact Number: ");
23        String contact = scanner.nextLine();
24
25        System.out.print("Enter Email: ");
26        String email = scanner.nextLine();
27
28        System.out.println("\nEnter Product Information");
29        // Product 1
30        System.out.print("Product 1 Name: ");
31        String p1Name = scanner.nextLine();
32        System.out.print("Product 1 Product Code: ");
33        int p1Code = scanner.nextInt();
34        System.out.print("Product 1 HSN code: ");
35    }
```

Invoice.java

```
3 public class Invoice {
5     public static void main(String[] args) {
33         int p1Code = scanner.nextInt();
34         System.out.print("Product 1 HSN code: ");
35         long p1HSN = scanner.nextLong();
36         System.out.print("Product 1 Quantity: ");
37         int p1Qty = scanner.nextInt();
38         System.out.print("Product 1 Rate: ");
39         double p1Rate = scanner.nextDouble();
40         System.out.print("Product 1 Tax %: ");
41         double p1TaxRate = scanner.nextDouble() / 100.0;
42
43         scanner.nextLine();
44
45         // Product 2
46         System.out.print("Product 2 Name : ");
47         String p2Name = scanner.nextLine();
48         System.out.print("Product 2 Product Code: ");
49         int p2Code = scanner.nextInt();
50         System.out.print("Product 2 HSN code: ");
51         long p2HSN = scanner.nextLong();
52         System.out.print("Product 2 Quantity: ");
53         int p2Qty = scanner.nextInt();
54         System.out.print("Product 2 Rate: ");
55         double p2Rate = scanner.nextDouble();
56         System.out.print("Product 2 Tax %: ");
57         double p2TaxRate = scanner.nextDouble() / 100.0;
58
59         scanner.nextLine();
60
61         // Product 3
62         System.out.print("Product 3 Name: ");
63         String p3Name = scanner.nextLine();
64         System.out.print("Product 3 Product Code: ");
```

```
3 public class Invoice {
5     public static void main(String[] args) {
64         String p3Name = scanner.nextLine();
65         System.out.print("Product 3 Product Code: ");
66         int p3Code = scanner.nextInt();
67         System.out.print("Product 3 HSN code: ");
68         long p3HSN = scanner.nextLong();
69         System.out.print("Product 3 Quantity: ");
70         int p3Qty = scanner.nextInt();
71         System.out.print("Product 3 Rate: ");
72         double p3Rate = scanner.nextDouble();
73         System.out.print("Product 3 Tax %: ");
74         double p3TaxRate = scanner.nextDouble() / 100.0;
75
76         scanner.nextLine();
77
78         // Product 4
79         System.out.print("Product 4 Name: ");
80         String p4Name = scanner.nextLine();
81         System.out.print("Product 4 Product Code: ");
82         int p4Code = scanner.nextInt();
83         System.out.print("Product 4 HSN code: ");
84         long p4HSN = scanner.nextLong();
85         System.out.print("Product 4 Quantity: ");
86         int p4Qty = scanner.nextInt();
87         System.out.print("Product 4 Rate: ");
88         double p4Rate = scanner.nextDouble();
89         System.out.print("Product 4 Tax %: ");
90         double p4TaxRate = scanner.nextDouble() / 100.0;
91
92         scanner.nextLine();
93
94         // Product 5
95         System.out.print("Product 5 Name: ");
```

Run Invoice

Invoice.java

```
3 public class Invoice {
5     public static void main(String[] args) {
93         // Product 5
94         System.out.print("Product 5 Name: ");
95         String p5Name = scanner.nextLine();
96         System.out.print("Product 5 Product Code: ");
97         int p5Code = scanner.nextInt();
98         System.out.print("Product 5 HSN code: ");
99         long p5HSN = scanner.nextLong();
100        System.out.print("Product 5 Quantity: ");
101        int p5Qty = scanner.nextInt();
102        System.out.print("Product 5 Rate: ");
103        double p5Rate = scanner.nextDouble();
104        System.out.print("Product 5 Tax %: ");
105        double p5TaxRate = scanner.nextDouble() / 100.0;
106
107        scanner.nextLine();
108
109        // Product 6
110        System.out.print("Product 6 Name: ");
111        String p6Name = scanner.nextLine();
112        System.out.print("Product 6 Product Code: ");
113        int p6Code = scanner.nextInt();
114        System.out.print("Product 6 HSN code: ");
115        long p6HSN = scanner.nextLong();
116        System.out.print("Product 6 Quantity: ");
117        int p6Qty = scanner.nextInt();
118        System.out.print("Product 6 Rate: ");
119        double p6Rate = scanner.nextDouble();
120        System.out.print("Product 6 Tax %: ");
121        double p6TaxRate = scanner.nextDouble() / 100.0;
122
123        scanner.nextLine();
124    }
```

Invoice.java

```
3 public class Invoice {
5     public static void main(String[] args) {
141         // Calculations
142         double p1BaseAmount = p1Qty * p1Rate;
143         double p1Tax = p1BaseAmount * p1TaxRate;
144         double p1TotalAmount = p1BaseAmount + p1Tax;
145
146         double p2BaseAmount = p2Qty * p2Rate;
147         double p2Tax = p2BaseAmount * p2TaxRate;
148         double p2TotalAmount = p2BaseAmount + p2Tax;
149
150         double p3BaseAmount = p3Qty * p3Rate;
151         double p3Tax = p3BaseAmount * p3TaxRate;
152         double p3TotalAmount = p3BaseAmount + p3Tax;
153
154         double p4BaseAmount = p4Qty * p4Rate;
155         double p4Tax = p4BaseAmount * p4TaxRate;
156         double p4TotalAmount = p4BaseAmount + p4Tax;
157
158         double p5BaseAmount = p5Qty * p5Rate;
159         double p5Tax = p5BaseAmount * p5TaxRate;
160         double p5TotalAmount = p5BaseAmount + p5Tax;
161
162         double p6BaseAmount = p6Qty * p6Rate;
163         double p6Tax = p6BaseAmount * p6TaxRate;
164         double p6TotalAmount = p6BaseAmount + p6Tax;
165
166         double p7BaseAmount = p7Qty * p7Rate;
167         double p7Tax = p7BaseAmount * p7TaxRate;
168         double p7TotalAmount = p7BaseAmount + p7Tax;
169
170         double totalAmount = p1TotalAmount + p2TotalAmount + p3TotalAmount + p4TotalAmount + p5TotalAmount + p6TotalAmount + p7TotalAmount;
171
172         double discountValue = totalAmount * DISCOUNT_RATE;
    }
```

```

Invoice.java
1 public class Invoice {
2     public static void main(String[] args) {
165
166         double p7BaseAmount = p7Qty * p7Rate;
167         double p7Tax = p7BaseAmount * p7TaxRate;
168         double p7TotalAmount = p7BaseAmount + p7Tax;
169
170         double totalAmount = p1TotalAmount + p2TotalAmount + p3TotalAmount + p4TotalAmount + p5TotalAmount + p6TotalAmount + p7TotalAmount;
171
172         double discountValue = totalAmount * DISCOUNT_RATE;
173
174         double grandTotal = totalAmount - discountValue;
175
176         // Output Formatting
177         String headerFormat = "| %-4s | %-12s | %-25s | %-10s | %-8s | %-4s | %-8s | %-5s | %-10s|\n";
178         String rowFormat = "| %-4d | %-12d | %-25s | %-10d | %-8d | %-4s | %-8.2f | %-5d | %-10.2f |\n";
179
180         System.out.println("\n\n" + "-----");
181         System.out.printf("| %-56s %-58s|\n", "Bill To", "Ship To");
182         System.out.println("-----");
183
184         System.out.printf("| %-56s %-58s|\n", supermarketName, supermarketName);
185         System.out.printf("| %-56s %-58s|\n", addressLine1, addressLine1);
186         System.out.printf("| %-56s %-58s|\n", addressLine2, addressLine2);
187         System.out.printf("| %-56s %-58s|\n", "GSTIN:" + gstin, "GSTIN:" + gstin);
188         System.out.printf("| %-56s %-58s|\n", "Contact: " + contact, "Contact: " + contact);
189         System.out.printf("| %-56s %-58s|\n", "Email: " + email, "Email: " + email);
190
191         System.out.println("-----");
192         System.out.printf(" %-58s %-45s\n", "Payment Date: 7 days from date of delivery", "Payment Terms: 100% against invoice");
193
194         System.out.println("+-+-----+-+-----+-+-----+-+-----+-+");
195         System.out.printf(headerFormat, "S.No", "Product Code", "Product Name", "HSN code", "Quantity", "Units", "Rate", "Tax", "Amount");
196         System.out.println("+-+-----+-+-----+-+-----+-+-----+-+");

```