

FULL JAVA CODE

```
Main.java ×
1  import java.util.Scanner;
2
3  public class Main {
4      public static void main(String[] args) {
5          Scanner scanner = new Scanner(System.in);
6
7          // Bill To Information ---
8          System.out.println("\n--- Enter Bill To Information ---");
9          System.out.print("Bill To Name (e.g., Thendral Supermarket): ");
10         String billToName = scanner.nextLine();
11         System.out.print("Bill To Address Line 1 (e.g., No.23/2, SBI Colony.): ");
12         String billToAddress1 = scanner.nextLine();
13         System.out.print("Bill To Address Line 2 (e.g., Ragavendhra Nagar, Chennai - 600124): ");
14         String billToAddress2 = scanner.nextLine();
15         System.out.print("Bill To GSTIN (e.g., 33APFSD1ZV): ");
16         String billToGstin = scanner.nextLine();
17         System.out.print("Bill To Contact Number (e.g., +91-7869825463): ");
18         String billToContact = scanner.nextLine();
19         System.out.print("Bill To Email (e.g., purchase-team@thendral.com): ");
20         String billToEmail = scanner.nextLine();
21
22         // Ship To Information ---
23         System.out.println("\n--- Enter Ship To Information ---");
24         System.out.print("Ship To Name (e.g., Thendral Supermarket): ");
25         String shipToName = scanner.nextLine();
26         System.out.print("Ship To Address Line 1 (e.g., No.23/2, SBI Colony.): ");
27         String shipToAddress1 = scanner.nextLine();
28         System.out.print("Ship To Address Line 2 (e.g., Ragavendhra Nagar, Chennai - 600124): ");
29         String shipToAddress2 = scanner.nextLine();
```

```
Main.java ×
3      public class Main {
4          public static void main(String[] args) {
5              System.out.print("Ship To GSTIN (e.g., 33APFSD1ZV): ");
6              String shipToGstin = scanner.nextLine();
7              System.out.print("Ship To Contact Number (e.g., +91-7869825463): ");
8              String shipToContact = scanner.nextLine();
9              System.out.print("Ship To Email (e.g., dispatch@thendral.com): ");
10             String shipToEmail = scanner.nextLine();
11
12             // Product 1 Input ---
13             System.out.println("\n--- Enter Details for Product 1 (e.g., Surf Excel 5 kg) ---");
14             System.out.print("Product Code (int): ");
15             int code1 = scanner.nextInt();
16             scanner.nextLine(); // Consume newline
17             System.out.print("Product Name (String): ");
18             String name1 = scanner.nextLine();
19             System.out.print("HSN Code (int): ");
20             int hsn1 = scanner.nextInt();
21             System.out.print("Quantity (int): ");
22             int qty1 = scanner.nextInt();
23             scanner.nextLine(); // Consume newline
24             System.out.print("Unit (String, e.g., nos): ");
25             String unit1 = scanner.nextLine();
26             System.out.print("Rate (double): ");
27             double rate1 = scanner.nextDouble();
28             System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
29             int taxP1 = scanner.nextInt();
30         }
31     }
32 }
```

Main.java ×

```
3     public class Main {
4         public static void main(String[] args) {
57             // Product 2 Input ---
58             System.out.println("\n--- Enter Details for Product 2 (e.g., Rin 1 kg) ---");
59             System.out.print("Product Code (int): ");
60             int code2 = scanner.nextInt();
61             scanner.nextLine();
62             System.out.print("Product Name (String): ");
63             String name2 = scanner.nextLine();
64             System.out.print("HSN Code (int): ");
65             int hsn2 = scanner.nextInt();
66             System.out.print("Quantity (int): ");
67             int qty2 = scanner.nextInt();
68             scanner.nextLine();
69             System.out.print("Unit (String, e.g., nos): ");
70             String unit2 = scanner.nextLine();
71             System.out.print("Rate (double): ");
72             double rate2 = scanner.nextDouble();
73             System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
74             int taxP2 = scanner.nextInt();
75
76             // Product 3 Input ---
77             System.out.println("\n--- Enter Details for Product 3 (e.g., Hamam soap 150 g) ---");
78             System.out.print("Product Code (int): ");
79             int code3 = scanner.nextInt();
80             scanner.nextLine();
81             System.out.print("Product Name (String): ");
82             String name3 = scanner.nextLine();
83             System.out.print("HSN Code (int): ");
```

Main.java ×

```
3     public class Main {
4         public static void main(String[] args) {
84             int hsn3 = scanner.nextInt();
85             System.out.print("Quantity (int): ");
86             int qty3 = scanner.nextInt();
87             scanner.nextLine();
88             System.out.print("Unit (String, e.g., nos): ");
89             String unit3 = scanner.nextLine();
90             System.out.print("Rate (double): ");
91             double rate3 = scanner.nextDouble();
92             System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
93             int taxP3 = scanner.nextInt();
94
95             // Product 4 Input ---
96             System.out.println("\n--- Enter Details for Product 4 (e.g., Lux Soap 150 g) ---");
97             System.out.print("Product Code (int): ");
98             int code4 = scanner.nextInt();
99             scanner.nextLine();
100            System.out.print("Product Name (String): ");
101            String name4 = scanner.nextLine();
102            System.out.print("HSN Code (int): ");
103            int hsn4 = scanner.nextInt();
104            System.out.print("Quantity (int): ");
105            int qty4 = scanner.nextInt();
106            scanner.nextLine();
107            System.out.print("Unit (String, e.g., nos): ");
108            String unit4 = scanner.nextLine();
109            System.out.print("Rate (double): ");
110            double rate4 = scanner.nextDouble();
```

```

3     public class Main {
4         public static void main(String[] args) {
111             System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
112             int taxP4 = scanner.nextInt();
113
114             // Product 5 Input ---
115             System.out.println("\n--- Enter Details for Product 5 (e.g., Dove soap 125 g) ---");
116             System.out.print("Product Code (int): ");
117             int code5 = scanner.nextInt();
118             scanner.nextLine();
119             System.out.print("Product Name (String): ");
120             String name5 = scanner.nextLine();
121             System.out.print("HSN Code (int): ");
122             int hsn5 = scanner.nextInt();
123             System.out.print("Quantity (int): ");
124             int qty5 = scanner.nextInt();
125             scanner.nextLine();
126             System.out.print("Unit (String, e.g., nos): ");
127             String unit5 = scanner.nextLine();
128             System.out.print("Rate (double): ");
129             double rate5 = scanner.nextDouble();
130             System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
131             int taxP5 = scanner.nextInt();
132
133             // Product 6 Input ---
134             System.out.println("\n--- Enter Details for Product 6 (e.g., Vim bar 200 g) ---");
135             System.out.print("Product Code (int): ");
136             int code6 = scanner.nextInt();
137             scanner.nextLine();

```

🔄 Main.java ×

```

3     public class Main {
4         public static void main(String[] args) {
138             System.out.print("Product Name (String): ");
139             String name6 = scanner.nextLine();
140             System.out.print("HSN Code (int): ");
141             String hsn6 = scanner.nextLine();
142             System.out.print("Quantity (int): ");
143             int qty6 = scanner.nextInt();
144             scanner.nextLine();
145             System.out.print("Unit (String, e.g., nos): ");
146             String unit6 = scanner.nextLine();
147             System.out.print("Rate (double): ");
148             double rate6 = scanner.nextDouble();
149             System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
150             int taxP6 = scanner.nextInt();
151
152             // Product 7 Input ---
153             System.out.println("\n--- Enter Details for Product 7 (e.g., Pepsodent 150 g) ---");
154             System.out.print("Product Code (int): ");
155             int code7 = scanner.nextInt();
156             scanner.nextLine();
157             System.out.print("Product Name (String): ");
158             String name7 = scanner.nextLine();
159             System.out.print("HSN Code (int): ");
160             int hsn7 = scanner.nextInt();
161             System.out.print("Quantity (int): ");
162             int qty7 = scanner.nextInt();
163             scanner.nextLine();
164             System.out.print("Unit (String, e.g., nos): ");

```

```

3      public class Main {
4          public static void main(String[] args) {

165              String unit7 = scanner.nextLine();
166              System.out.print("Rate (double): ");
167              double rate7 = scanner.nextDouble();
168              System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
169              int taxP7 = scanner.nextInt();
170              scanner.close();
171
172              // --- Calculations ---
173              double taxM1 = 1.0 + ((double)taxP1 / 100.0);
174              double taxM2 = 1.0 + ((double)taxP2 / 100.0);
175              double taxM3 = 1.0 + ((double)taxP3 / 100.0);
176              double taxM4 = 1.0 + ((double)taxP4 / 100.0);
177              double taxM5 = 1.0 + ((double)taxP5 / 100.0);
178              double taxM6 = 1.0 + ((double)taxP6 / 100.0);
179              double taxM7 = 1.0 + ((double)taxP7 / 100.0);
180
181              // --- Product Amount Calculation ---
182              double amount1 = rate1 * qty1 * taxM1;
183              double amount2 = rate2 * qty2 * taxM2;
184              double amount3 = rate3 * qty3 * taxM3;
185              double amount4 = rate4 * qty4 * taxM4;
186              double amount5 = rate5 * qty5 * taxM5;
187              double amount6 = rate6 * qty6 * taxM6;
188              double amount7 = rate7 * qty7 * taxM7;
189
190              // --- Convert/Round all to 2 Decimal Places ---
191              amount1 = Math.round(amount1 * 100.0) / 100.0;

```

```

3      public class Main {
4          public static void main(String[] args) {

192              amount2 = Math.round(amount2 * 100.0) / 100.0;
193              amount3 = Math.round(amount3 * 100.0) / 100.0;
194              amount4 = Math.round(amount4 * 100.0) / 100.0;
195              amount5 = Math.round(amount5 * 100.0) / 100.0;
196              amount6 = Math.round(amount6 * 100.0) / 100.0;
197              amount7 = Math.round(amount7 * 100.0) / 100.0;
198
199              // --- Total Calculation ---
200              double subTotal = amount1 + amount2 + amount3 + amount4 + amount5 + amount6 + amount7;
201              subTotal = Math.round(subTotal * 100.0) / 100.0;
202              final double DISCOUNT_RATE = 0.006368;
203
204              // --- Discount and Grand Total ---
205              double discountAmount = subTotal * DISCOUNT_RATE;
206              double grandTotal = subTotal - discountAmount;
207
208              discountAmount = Math.round(discountAmount * 100.0) / 100.0;
209              grandTotal = Math.round(grandTotal * 100.0) / 100.0;
210
211              final String SEPARATOR = "=====";
212
213              System.out.println("\n\n");
214              System.out.println(SEPARATOR);
215              System.out.println("| Bill To:                               | Ship To:                               |");
216              System.out.println(SEPARATOR);
217              System.out.println("|                                     |                                     |");
218              System.out.println("| " + billToName + "                       | " + shipToName + "                       |");

```

```
1 public class Main {
2     public static void main(String[] args) {
3         System.out.println(" ");
4         System.out.println(" | " + billToName + " | " + shipToName + " |");
5         System.out.println(" | " + billToAddress1 + " | " + shipToAddress1 + " |");
6         System.out.println(" | " + billToAddress2 + " | " + shipToAddress2 + " |");
7         System.out.println(" | GSTIN:" + billToGstin + " | GSTIN:" + shipToGstin + " |");
8         System.out.println(" | Contact: " + billToContact + " | Contact: " + shipToContact + " |");
9         System.out.println(" | Email: " + billToEmail + " | Email: " + shipToEmail + " |");
10        System.out.println(" ");
11        System.out.println(SEPARATOR);
12        System.out.println(" ");
13        System.out.println(" | Payment Date: 7 days from date of delivery | Payment Terms: 100% against invoice |");
14        System.out.println(" ");
15        System.out.println(SEPARATOR);
16        System.out.println(" | S.No | Product Code | Product Name | HSN code | Quantity | Units | Rate | Tax | Amount |");
17        System.out.println(SEPARATOR);
18        System.out.println(" | 1 | " + code1 + " | " + name1 + " | " + hsn1 + " | " + qty1 + " | " + unit1 + " | " + rate1 + " | " + taxP1 + "%" | " + amount1 + " |");
19        System.out.println(" | 2 | " + code2 + " | " + name2 + " | " + hsn2 + " | " + qty2 + " | " + unit2 + " | " + rate2 + " | " + taxP2 + "%" | " + amount2 + " |");
20        System.out.println(" | 3 | " + code3 + " | " + name3 + " | " + hsn3 + " | " + qty3 + " | " + unit3 + " | " + rate3 + " | " + taxP3 + "%" | " + amount3 + " |");
21        System.out.println(" | 4 | " + code4 + " | " + name4 + " | " + hsn4 + " | " + qty4 + " | " + unit4 + " | " + rate4 + " | " + taxP4 + "%" | " + amount4 + " |");
22        System.out.println(" | 5 | " + code5 + " | " + name5 + " | " + hsn5 + " | " + qty5 + " | " + unit5 + " | " + rate5 + " | " + taxP5 + "%" | " + amount5 + " |");
23        System.out.println(" | 6 | " + code6 + " | " + name6 + " | " + hsn6 + " | " + qty6 + " | " + unit6 + " | " + rate6 + " | " + taxP6 + "%" | " + amount6 + " |");
24        System.out.println(" | 7 | " + code7 + " | " + name7 + " | " + hsn7 + " | " + qty7 + " | " + unit7 + " | " + rate7 + " | " + taxP7 + "%" | " + amount7 + " |");
25        System.out.println(SEPARATOR);
26        System.out.println(" | Total | " + subTotal + " |");
27        System.out.println(" | Discounts | " + discountAmount + " |"); // Added extra spaces to align
28        System.out.println(" | Grand total | " + grandTotal + " |");
29        System.out.println(SEPARATOR);
30    }
31}
```