

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();
```

```
>Main.java ×  
3     public class Main {  
4         public static void main(String[] args) {  
5             // Product 2 Input ---  
6             System.out.println("\n--- Enter Details for Product 2 (e.g., Rin 1 kg) ---");  
7             System.out.print("Product Code (int): ");  
8             int code2 = scanner.nextInt();  
9             scanner.nextLine();  
10            System.out.print("Product Name (String): ");  
11            String name2 = scanner.nextLine();  
12            System.out.print("HSN Code (int): ");  
13            int hsn2 = scanner.nextInt();  
14            System.out.print("Quantity (int): ");  
15            int qty2 = scanner.nextInt();  
16            scanner.nextLine();  
17            System.out.print("Unit (String, e.g., nos): ");  
18            String unit2 = scanner.nextLine();  
19            System.out.print("Rate (double): ");  
20            double rate2 = scanner.nextDouble();  
21            System.out.print("Tax Percentage (int, e.g., 5 or 18): ");  
22            int taxP2 = scanner.nextInt();  
23  
24             // Product 3 Input ---  
25             System.out.println("\n--- Enter Details for Product 3 (e.g., Hamam soap 150 g) ---");  
26             System.out.print("Product Code (int): ");  
27             int code3 = scanner.nextInt();  
28             scanner.nextLine();  
29             System.out.print("Product Name (String): ");  
30             String name3 = scanner.nextLine();  
31             System.out.print("HSN Code (int): ");
```

```
>Main.java ×  
3     public class Main {  
4         public static void main(String[] args) {  
5             int hsn3 = scanner.nextInt();  
6             System.out.print("Quantity (int): ");  
7             int qty3 = scanner.nextInt();  
8             scanner.nextLine();  
9             System.out.print("Unit (String, e.g., nos): ");  
10            String unit3 = scanner.nextLine();  
11            System.out.print("Rate (double): ");  
12            double rate3 = scanner.nextDouble();  
13            System.out.print("Tax Percentage (int, e.g., 5 or 18): ");  
14            int taxP3 = scanner.nextInt();  
15  
16             // Product 4 Input ---  
17             System.out.println("\n--- Enter Details for Product 4 (e.g., Lux Soap 150 g) ---");  
18             System.out.print("Product Code (int): ");  
19             int code4 = scanner.nextInt();  
20             scanner.nextLine();  
21             System.out.print("Product Name (String): ");  
22             String name4 = scanner.nextLine();  
23             System.out.print("HSN Code (int): ");  
24             int hsn4 = scanner.nextInt();  
25             System.out.print("Quantity (int): ");  
26             int qty4 = scanner.nextInt();  
27             scanner.nextLine();  
28             System.out.print("Unit (String, e.g., nos): ");  
29             String unit4 = scanner.nextLine();  
30             System.out.print("Rate (double): ");  
31             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 ×
1     public class Main {
2         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("| " + billToName + "           | " + shipToName + "           |");
218             System.out.println("| " + billToName + "           | " + shipToName + "           |");

```

```
>Main.java x
1  public class Main {
2
3     public static void main(String[] args) {
4
5         System.out.println(" | " + billToName + " | " + shipToName + " | ");
6         System.out.println(" | " + billToAddress1 + " | " + shipToAddress1 + " | ");
7         System.out.println(" | " + billToAddress2 + " | " + shipToAddress2 + " | ");
8         System.out.println(" | GSTIN:" + billToGstin + " | GSTIN:" + shipToGstin + " | ");
9         System.out.println(" | Contact: " + billToContact + " | Contact: " + shipToContact + " | ");
10        System.out.println(" | Email: " + billToEmail + " | Email: " + shipToEmail + " | ");
11        System.out.println(" | ");
12        System.out.println(SEPARATOR);
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(" | ");
27        System.out.println(" Total | " + subTotal + " |");
28        System.out.println(" Discounts | " + discountAmount + " |"); // Added extra spaces to align
29        System.out.println(" Grand total | " + grandTotal + " |");
30        System.out.println(SEPARATOR);
31    }
32}
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
99
```

Font size: 10pt Reset to 13pt ⚙