

```
1 import java.util.Scanner;
2
3 class Main {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6
7         // --- 1. CAPTURE BILL TO / SHIP TO INFORMATION ---
8         System.out.println("--- ENTER INVOICE DETAILS ---");
9
10        System.out.print("Enter Customer Name: ");
11        String custName = input.nextLine();
12
13        System.out.print("Enter Address Line 1: ");
14        String custAddr1 = input.nextLine();
15
16        System.out.print("Enter Address Line 2: ");
17        String custAddr2 = input.nextLine();
18
19        System.out.print("Enter Address Line 3: ");
20        String custAddr3 = input.nextLine();
21
22        System.out.print("Enter Contact Number: ");
23        String custPhone = input.nextLine();
24
25        System.out.print("Enter Email: ");
26        String custEmail = input.nextLine();
```

```
System.out.print("Enter Email: ");
String custEmail = input.nextLine();

// --- ITEM 1 ---
System.out.println("\n--- ENTER PRODUCT INFORMATION FOR ITEM 1 ---");
int sno1 = 1;
System.out.print("Product Code: ");
int code1 = input.nextInt();
input.nextLine();

System.out.print("Product Name: ");
String name1 = input.nextLine();

System.out.print("HSN Code: ");
String hsn1 = input.next();

System.out.print("Quantity: ");
int qty1 = input.nextInt();

System.out.print("Units (e.g., nos): ");
String unit1 = input.next();

System.out.print("Rate: ");
```

```
49     double rate1 = input.nextDouble();
50
51     System.out.print("Tax Percentage: ");
52     double taxPer1 = input.nextDouble();
53
54     double basic1 = qty1 * rate1;
55     double taxAmt1 = basic1 * (taxPer1 / 100);
56     double amount1 = basic1 + taxAmt1;
57
58
59     // --- ITEM 2 ---
60     System.out.println("\n--- ENTER PRODUCT INFORMATION FOR ITEM 2 ---");
61     int sno2 = 2;
62     System.out.print("Product Code: ");
63     int code2 = input.nextInt();
64     input.nextLine();
65
66     System.out.print("Product Name: ");
67     String name2 = input.nextLine();
68
69     System.out.print("HSN Code: ");
70     String hsn2 = input.next();
71
72     System.out.print("Quantity: ");
```

```
73 int qty2 = input.nextInt();
74
75 System.out.print("Units (e.g., nos): ");
76 String unit2 = input.next();
77
78 System.out.print("Rate: ");
79 double rate2 = input.nextDouble();
80
81 System.out.print("Tax Percentage: ");
82 double taxPer2 = input.nextDouble();
83
84 double basic2 = qty2 * rate2;
85 double taxAmt2 = basic2 * (taxPer2 / 100);
86 double amount2 = basic2 + taxAmt2;
87
88
89 // --- ITEM 3 ---
90 System.out.println("\n--- ENTER PRODUCT INFORMATION FOR ITEM 3 ---");
91 int sno3 = 3;
92 System.out.print("Product Code: ");
93 int code3 = input.nextInt();
94 input.nextLine();
95
96 System.out.print("Product Name: ");
```

```
97 String name3 = input.nextLine();
98
99 System.out.print("HSN Code: ");
100 String hsn3 = input.next();
101
102 System.out.print("Quantity: ");
103 int qty3 = input.nextInt();
104
105 System.out.print("Units (e.g., nos): ");
106 String unit3 = input.next();
107
108 System.out.print("Rate: ");
109 double rate3 = input.nextDouble();
110
111 System.out.print("Tax Percentage: ");
112 double taxPer3 = input.nextDouble();
113
114 double basic3 = qty3 * rate3;
115 double taxAmt3 = basic3 * (taxPer3 / 100); // FIXED
116 double amount3 = basic3 + taxAmt3;
117
118
119 // --- ITEM 4 ---
120 System.out.println("\n--- ENTER PRODUCT INFORMATION FOR ITEM 4 ---");
```

```
121 int sno4 = 4;
122 System.out.print("Product Code: ");
123 int code4 = input.nextInt();
124 input.nextLine();
125
126 System.out.print("Product Name: ");
127 String name4 = input.nextLine();
128
129 System.out.print("HSN Code: ");
130 String hsn4 = input.next();
131
132 System.out.print("Quantity: ");
133 int qty4 = input.nextInt();
134
135 System.out.print("Units (e.g., nos): ");
136 String unit4 = input.next();|
137
138 System.out.print("Rate: ");
139 double rate4 = input.nextDouble();
140
141 System.out.print("Tax Percentage: ");
142 double taxPer4 = input.nextDouble();
143
144 double basic4 = qty4 * rate4;
```

```
145 double taxAmt4 = basic4 * (taxPer4 / 100);
146 double amount4 = basic4 + taxAmt4;
147
148
149 // --- ITEM 5 ---
150 System.out.println("\n--- ENTER PRODUCT INFORMATION FOR ITEM 5 ---");
151 int sno5 = 5;
152 System.out.print("Product Code: ");
153 int code5 = input.nextInt();
154 input.nextLine();
155
156 System.out.print("Product Name: ");
157 String name5 = input.nextLine();
158
159 System.out.print("HSN Code: ");
160 String hsn5 = input.next();
161
162 System.out.print("Quantity: ");
163 int qty5 = input.nextInt();
164
165 System.out.print("Units (e.g., nos): ");
166 String unit5 = input.next();
167
168 System.out.print("Rate: ");
```

```
166 String unit5 = input.next();
167
168 System.out.print("Rate: ");
169 double rate5 = input.nextDouble();
170
171 System.out.print("Tax Percentage: ");
172 double taxPer5 = input.nextDouble();
173
174 double basic5 = qty5 * rate5;
175 double taxAmt5 = basic5 * (taxPer5 / 100);
176 double amount5 = basic5 + taxAmt5;
177
178
179 // --- ITEM 6 ---
180 System.out.println("\n--- ENTER PRODUCT INFORMATION FOR ITEM 6 ---");
181 int sno6 = 6;
182 System.out.print("Product Code: ");
183 int code6 = input.nextInt();
184 input.nextLine();
185
186 System.out.print("Product Name: ");
187 String name6 = input.nextLine();
188
189 System.out.print("HSN Code: ");
```

```
190 String hsn6 = input.next();
191
192 System.out.print("Quantity: ");
193 int qty6 = input.nextInt();
194
195 System.out.print("Units (e.g., nos): ");
196 String unit6 = input.next();
197
198 System.out.print("Rate: ");
199 double rate6 = input.nextDouble();
200
201 System.out.print("Tax Percentage: ");|
202 double taxPer6 = input.nextDouble();
203
204 double basic6 = qty6 * rate6;
205 double taxAmt6 = basic6 * (taxPer6 / 100);
206 double amount6 = basic6 + taxAmt6;
207
208
209 // --- ITEM 7 ---
210 System.out.println("\n--- ENTER PRODUCT INFORMATION FOR ITEM 7 ---");
211 int sno7 = 7;
212 System.out.print("Product Code: ");
213 int code7 = input.nextInt();
```

```
214     input.nextLine();
215
216     System.out.print("Product Name: ");
217     String name7 = input.nextLine();
218
219     System.out.print("HSN Code: ");
220     String hsn7 = input.next();
221
222     System.out.print("Quantity: ");
223     int qty7 = input.nextInt();
224
225     System.out.print("Units (e.g., nos): ");
226     String unit7 = input.next();
227
228     System.out.print("Rate: ");
229     double rate7 = input.nextDouble();
230
231     System.out.print("Tax Percentage: ");
232     double taxPer7 = input.nextDouble();
233
234     double basic7 = qty7 * rate7;
235     double taxAmt7 = basic7 * (taxPer7 / 100);
236     double amount7 = basic7 + taxAmt7;
237
```

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235 double taxAmt7 = basic7 * (taxPer7 / 100);
236 double amount7 = basic7 + taxAmt7;
237
238
239 // --- TOTALS ---
240 double subTotal = amount1 + amount2 + amount3 + amount4 + amount5 + amount6 + amount7;
241 double discountPercent = 0.6368;
242 double discountValue = subTotal * (discountPercent / 100);
243 double grandTotal = subTotal - discountValue;
244
245
246 // --- ALIGNED OUTPUT ---
247 System.out.println("\n\n");
248 System.out.println("-----");
249 System.out.println("                                THENDRAL SUPERMARKET INVOICE                                ");
250 System.out.println("-----");
251
252 System.out.printf("%-40s %-40s\n", "Bill To:", "Ship To:");
253 System.out.printf("%-40s %-40s\n", custName, custName);
254 System.out.printf("%-40s %-40s\n", custAddr1, custAddr1);
255 System.out.printf("%-40s %-40s\n", custAddr2, custAddr2);
256 System.out.printf("%-40s %-40s\n", custAddr3, custAddr3);
257 System.out.printf("%-40s %-40s\n", "Contact: " + custPhone, "Contact: " + custPhone);
258 System.out.printf("%-40s %-40s\n", "Email: " + custEmail, "Email: " + custEmail);

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```

260 System.out.println("-----");
261 System.out.println("Payment Date: 7 days from date of delivery          Payment Terms: 100% against invoice");
262 System.out.println("-----");

263
264 System.out.printf("%-5s %-8s %-20s %-10s %-6s %-8s %-8s %-6s %-10s\n",
265 |         "S.No", "Code", "Product Name", "HSN", "Qty", "Units", "Rate", "Tax", "Amount");
266
267 System.out.println("-----");

268
269 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
270 |         sno1, code1, name1, hsn1, qty1, unit1, rate1, (int)taxPer1 + "%", amount1);
271
272 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
273 |         sno2, code2, name2, hsn2, qty2, unit2, rate2, (int)taxPer2 + "%", amount2);
274
275 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
276 |         sno3, code3, name3, hsn3, qty3, unit3, rate3, (int)taxPer3 + "%", amount3);
277
278 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
279 |         sno4, code4, name4, hsn4, qty4, unit4, rate4, (int)taxPer4 + "%", amount4);
280
281 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
282 |         sno5, code5, name5, hsn5, qty5, unit5, rate5, (int)taxPer5 + "%", amount5);

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281 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
282     sno5, code5, name5, hsn5, qty5, unit5, rate5, (int)taxPer5 + "%", amount5);
283
284 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
285     sno6, code6, name6, hsn6, qty6, unit6, rate6, (int)taxPer6 + "%", amount6);
286
287 System.out.printf("%-5d %-8d %-20s %-10s %-6d %-8s %-8.2f %-6s %-10.2f\n",
288     sno7, code7, name7, hsn7, qty7, unit7, rate7, (int)taxPer7 + "%", amount7);
289
290 System.out.println("-----");
291
292 System.out.printf("%9s %10.2f\n", "Total:", subTotal);
293 System.out.printf("%9s %10.2f\n", "Discounts:", discountValue);
294 System.out.println("-----");
295 System.out.printf("%9s %10.2f\n", "Grand Total:", grandTotal);
296 System.out.println("-----");
297 }

```

```

298 }
299

```