

```
1 import java.util.Scanner;
2
3 public class InvoiceGenerator {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         System.out.println("===== INVOICE GENERATOR =====\n");
8
9         // Bill To Information
10        System.out.println("--- BILL TO INFORMATION ---");
11        System.out.println("Enter Bill To Name:");
12        String billName = sc.nextLine();
13        System.out.println("Enter Bill To Address:");
14        String billAddress = sc.nextLine();
15        System.out.println("Enter Bill To GSTIN:");
16        String billGstin = sc.nextLine();
17        System.out.println("Enter Bill To Contact:");
18        String billContact = sc.nextLine();
19        System.out.println("Enter Bill To Email:");
20        String billEmail = sc.nextLine();
21
22        // Ship To Information
23        System.out.println("\n--- SHIP TO INFORMATION ---");
24        System.out.println("Enter Ship To Name:");
25        String shipName = sc.nextLine();
26        System.out.println("Enter Ship To Address:");
27
28        public class InvoiceGenerator {
29            public static void main(String[] args) {
30                String shipAddress = sc.nextLine();
31                System.out.println("Enter Ship To GSTIN:");
32                String shipGstin = sc.nextLine();
33                System.out.println("Enter Ship To Contact:");
34                String shipContact = sc.nextLine();
35                System.out.println("Enter Ship To Email:");
36                String shipEmail = sc.nextLine();
37
38                // Payment Information
39                System.out.println("\n--- PAYMENT INFORMATION ---");
40                System.out.println("Enter Payment Date (e.g., 7 days from date of delivery):");
41                String paymentDate = sc.nextLine();
42                System.out.println("Enter Payment Terms (e.g., 100% against invoice):");
43                String paymentTerms = sc.nextLine();
44
45                System.out.println("\n===== ENTER PRODUCT DETAILS =====\n");
46
47                // Product 1 Input
48                System.out.println("--- PRODUCT 1 ---");
49                System.out.println("Product Code:");
50                String p1Code = sc.nextLine();
51                System.out.println("Product Name:");
52                String p1Name = sc.nextLine();
53                System.out.println("HSN Code:");
54                String p1Hsn = sc.nextLine();
```

```
52     System.out.println("Quantity:");
53     int p1Qty = sc.nextInt();
54     sc.nextLine();
55     System.out.println("Units (e.g. nos):");
56     String p1Units = sc.nextLine();
57     System.out.println("Rate (per unit):");
58     double p1Rate = sc.nextDouble();
59     System.out.println("Tax % (e.g. 5 or 18):");
60     double p1TaxPer = sc.nextDouble();
61     sc.nextLine();
62
63     // Product 2 Input
64     System.out.println("\n--- PRODUCT 2 ---");
65     System.out.println("Product Code:");
66     String p2Code = sc.nextLine();
67     System.out.println("Product Name:");
68     String p2Name = sc.nextLine();
69     System.out.println("HSN Code:");
70     String p2Hsn = sc.nextLine();
71     System.out.println("Quantity:");
72     int p2Qty = sc.nextInt();
73     sc.nextLine();
74     System.out.println("Units (e.g. nos):");
75     String p2Units = sc.nextLine();

5  public class InvoiceGenerator {
4
56     public static void main(String[] args) {
57
58         String p2Units = sc.nextLine();
59         System.out.println("Rate (per unit):");
60         double p2Rate = sc.nextDouble();
61         System.out.println("Tax % (e.g. 5 or 18):");
62         double p2TaxPer = sc.nextDouble();
63         sc.nextLine();
64
65         // Product 3 Input
66         System.out.println("\n--- PRODUCT 3 ---");
67         System.out.println("Product Code:");
68         String p3Code = sc.nextLine();
69         System.out.println("Product Name:");
70         String p3Name = sc.nextLine();
71         System.out.println("HSN Code:");
72         String p3Hsn = sc.nextLine();
73         System.out.println("Quantity:");
74         int p3Qty = sc.nextInt();
75         sc.nextLine();
76         System.out.println("Units (e.g. nos):");
77         String p3Units = sc.nextLine();
78         System.out.println("Rate (per unit):");
79         double p3Rate = sc.nextDouble();
80         System.out.println("Tax % (e.g. 5 or 18):");
81         double p3TaxPer = sc.nextDouble();
82         sc.nextLine();
```

```
3 public class InvoiceGenerator {
4     public static void main(String[] args) {
59         sc.nextLine();
60
61         // Product 4 Input
62         System.out.println("\n--- PRODUCT 4 ---");
63         System.out.println("Product Code:");
64         String p4Code = sc.nextLine();
65         System.out.println("Product Name:");
66         String p4Name = sc.nextLine();
67         System.out.println("HSN Code:");
68         String p4Hsn = sc.nextLine();
69         System.out.println("Quantity:");
70         int p4Qty = sc.nextInt();
71         sc.nextLine();
72         System.out.println("Units (e.g. nos):");
73         String p4Units = sc.nextLine();
74         System.out.println("Rate (per unit):");
75         double p4Rate = sc.nextDouble();
76         System.out.println("Tax % (e.g. 5 or 18):");
77         double p4TaxPer = sc.nextDouble();
78         sc.nextLine();
79
80         // Product 5 Input
81         System.out.println("\n--- PRODUCT 5 ---");
82         System.out.println("Product Code:");
83         String p5Code = sc.nextLine();
84
85     public class InvoiceGenerator {
86         public static void main(String[] args) {
87             String p5Code = sc.nextLine();
88             System.out.println("Product Name:");
89             String p5Name = sc.nextLine();
90             System.out.println("HSN Code:");
91             String p5Hsn = sc.nextLine();
92             System.out.println("Quantity:");
93             int p5Qty = sc.nextInt();
94             sc.nextLine();
95             System.out.println("Units (e.g. nos):");
96             String p5Units = sc.nextLine();
97             System.out.println("Rate (per unit):");
98             double p5Rate = sc.nextDouble();
99             System.out.println("Tax % (e.g. 5 or 18):");
100            double p5TaxPer = sc.nextDouble();
101            sc.nextLine();
102
103            // Product 6 Input
104            System.out.println("\n--- PRODUCT 6 ---");
105            System.out.println("Product Code:");
106            String p6Code = sc.nextLine();
107            System.out.println("Product Name:");
108            String p6Name = sc.nextLine();
109            System.out.println("HSN Code:");
110            String p6Hsn = sc.nextLine();
111            System.out.println("Quantity:");

112            // Product 7 Input
113            System.out.println("\n--- PRODUCT 7 ---");
114            System.out.println("Product Code:");
115            String p7Code = sc.nextLine();
116            System.out.println("Product Name:");
117            String p7Name = sc.nextLine();
118            System.out.println("HSN Code:");
119            String p7Hsn = sc.nextLine();
120            System.out.println("Quantity:");
121            int p7Qty = sc.nextInt();
122            sc.nextLine();
123
124            System.out.println("Total Amount: " + (p4Rate * p4Qty + p5Rate * p5Qty + p6Rate * p6Qty + p7Rate * p7Qty));
125
126            // Output Tax Details
127            System.out.println("Tax Details:");
128            System.out.println("Tax Type: " + taxType);
129            System.out.println("Tax Rate: " + taxRate);
130            System.out.println("Tax Amount: " + taxAmount);
131
132            // Output Total Amount
133            System.out.println("Total Amount: " + totalAmount);
134
135            // Output Summary
136            System.out.println("Summary:");
137            System.out.println("Product 4: " + p4Name + " (" + p4Hsn + ")");
138            System.out.println("Product 5: " + p5Name + " (" + p5Hsn + ")");
139            System.out.println("Product 6: " + p6Name + " (" + p6Hsn + ")");
140            System.out.println("Product 7: " + p7Name + " (" + p7Hsn + ")");
141
142            // Output Footer
143            System.out.println("Invoice Generated by Java");
144            System.out.println("Version 1.0");
145            System.out.println("Copyright © 2023");
146            System.out.println("All Rights Reserved");
147        }
148    }
149}
```

```
3     public class InvoiceGenerator {
4         public static void main(String[] args) {
147             System.out.println("Quantity:");
148             int p6Qty = sc.nextInt();
149             sc.nextLine();
150             System.out.println("Units (e.g. nos):");
151             String p6Units = sc.nextLine();
152             System.out.println("Rate (per unit):");
153             double p6Rate = sc.nextDouble();
154             System.out.println("Tax % (e.g. 5 or 18):");
155             double p6TaxPer = sc.nextDouble();
156             sc.nextLine();
157
158             // Product 7 Input
159             System.out.println("\n--- PRODUCT 7 ---");
160             System.out.println("Product Code:");
161             String p7Code = sc.nextLine();
162             System.out.println("Product Name:");
163             String p7Name = sc.nextLine();
164             System.out.println("HSN Code:");
165             String p7Hsn = sc.nextLine();
166             System.out.println("Quantity:");
167             int p7Qty = sc.nextInt();
168             sc.nextLine();
169             System.out.println("Units (e.g. nos):");
170             String p7Units = sc.nextLine();
171             System.out.println("Rate (per unit):");
172
173         public class InvoiceGenerator {
174             public static void main(String[] args) {
175                 System.out.println("Rate (per unit):");
176                 double p7Rate = sc.nextDouble();
177                 System.out.println("Tax % (e.g. 5 or 18):");
178                 double p7TaxPer = sc.nextDouble();
179                 sc.nextLine();
180
181                 // =====
182                 // CALCULATIONS
183                 // =====
184
185                 double p1Base = p1Qty * p1Rate;
186                 double p1TaxAmt = p1Base * (p1TaxPer / 100);
187                 double p1Total = p1Base + p1TaxAmt;
188
189                 double p2Base = p2Qty * p2Rate;
190                 double p2TaxAmt = p2Base * (p2TaxPer / 100);
191                 double p2Total = p2Base + p2TaxAmt;
192
193                 double p3Base = p3Qty * p3Rate;
194                 double p3TaxAmt = p3Base * (p3TaxPer / 100);
195                 double p3Total = p3Base + p3TaxAmt;
196
197                 double p4Base = p4Qty * p4Rate;
198                 double p4TaxAmt = p4Base * (p4TaxPer / 100);
199                 double p4Total = p4Base + p4TaxAmt;
```

```

195     double p4Total = p4Base + p4TaxAmt;
196
197     double p5Base = p5Qty * p5Rate;
198     double p5TaxAmt = p5Base * (p5TaxPer / 100);
199     double p5Total = p5Base + p5TaxAmt;
200
201     double p6Base = p6Qty * p6Rate;
202     double p6TaxAmt = p6Base * (p6TaxPer / 100);
203     double p6Total = p6Base + p6TaxAmt;
204
205     double p7Base = p7Qty * p7Rate;
206     double p7TaxAmt = p7Base * (p7TaxPer / 100);
207     double p7Total = p7Base + p7TaxAmt;
208
209     double subTotal = p1Total + p2Total + p3Total + p4Total + p5Total + p6Total + p7Total;
210     double discountPercent = 0.6368;
211     double discountAmt = subTotal * (discountPercent / 100);
212     double grandTotal = subTotal - discountAmt;
213
214     // =====
215     // INVOICE OUTPUT - MATCHING SCREENSHOT FORMAT
216     // =====
217
218     System.out.println("\n\n");
219     System.out.println("=====");

```

```

3  public class InvoiceGenerator {
4      public static void main(String[] args) {
219         System.out.println("=====");
220         System.out.println("                               SALES INVOICE");
221         System.out.println("=====");
222         System.out.println();
223
224         // Bill To and Ship To side by side
225         System.out.println("Bill To:                               Ship To:");
226         System.out.println();
227         System.out.printf("%-50s %%-50s", billName, shipName);
228         System.out.printf("%-50s %%-50s", billAddress, shipAddress);
229         System.out.printf("%-50s %%-50s", "GSTIN:" + billGstin, "GSTIN:" + shipGstin);
230         System.out.printf("%-50s %%-50s", "Contact: " + billContact, "Contact: " + shipContact);
231         System.out.printf("%-50s %%-50s", "Email: " + billEmail, "Email: " + shipEmail);
232         System.out.println();
233
234         // Payment Information
235         System.out.printf("Payment Date: %-35s Payment Terms: %s%n", paymentDate, paymentTerms);
236         System.out.println();
237
238         // Product Table Header - Exact order from screenshot
239         System.out.println("-----");
240         System.out.printf("%-6s %-13s %-25s %-12s %-10s %-8s %-10s %-8s %-10s%n",
241             "S.No", "Product Code", "Product Name", "HSN code", "Quantity", "Units", "Rate", "Tax", "Amount");
242         System.out.println("-----");

```

```
3     public class InvoiceGenerator {
4         public static void main(String[] args) {
243
244             // Product Rows
245             System.out.printf("%-6d %-13s %-25s %-12s %-10d %-8s %-10.2f %-8s %-10.2f%n",
246                 1, p1Code, p1Name, p1Hsn, p1Qty, p1Units, p1Rate, (int)p1TaxPer + "%", p1Total);
247             System.out.printf("%-6d %-13s %-25s %-12s %-10d %-8s %-10.2f %-8s %-10.2f%n",
248                 2, p2Code, p2Name, p2Hsn, p2Qty, p2Units, p2Rate, (int)p2TaxPer + "%", p2Total);
249             System.out.printf("%-6d %-13s %-25s %-12s %-10d %-8s %-10.2f %-8s %-10.2f%n",
250                 3, p3Code, p3Name, p3Hsn, p3Qty, p3Units, p3Rate, (int)p3TaxPer + "%", p3Total);
251             System.out.printf("%-6d %-13s %-25s %-12s %-10d %-8s %-10.2f %-8s %-10.2f%n",
252                 4, p4Code, p4Name, p4Hsn, p4Qty, p4Units, p4Rate, (int)p4TaxPer + "%", p4Total);
253             System.out.printf("%-6d %-13s %-25s %-12s %-10d %-8s %-10.2f %-8s %-10.2f%n",
254                 5, p5Code, p5Name, p5Qty, p5Units, p5Rate, (int)p5TaxPer + "%", p5Total);
255             System.out.printf("%-6d %-13s %-25s %-12s %-10d %-8s %-10.2f %-8s %-10.2f%n",
256                 6, p6Code, p6Name, p6Hsn, p6Qty, p6Units, p6Rate, (int)p6TaxPer + "%", p6Total);
257             System.out.printf("%-6d %-13s %-25s %-12s %-10d %-8s %-10.2f %-8s %-10.2f%n",
258                 7, p7Code, p7Name, p7Hsn, p7Qty, p7Units, p7Rate, (int)p7TaxPer + "%", p7Total);
259
260             System.out.println("-----");
261
262             // Totals Section
263             System.out.printf("%95s %-15s %.2f%n", "", "Total", subTotal);
264             System.out.printf("%95s %-15s %.2f%n", "", "Discounts", discountAmt);
265             System.out.println("=====-----=====-----=====-----");
266             System.out.printf("%95s %-15s %.2f%n", "", "Grand Total", grandTotal);
267             System.out.println("=====-----=====-----=====-----");
268
269             sc.close();
270         }
271     }
```