

```

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:");

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3     public class InvoiceGenerator {
4         public static void main(String[] args) {
5             String shipAddress = sc.nextLine();
6             System.out.println("Enter Ship To GSTIN:");
7             String shipGstin = sc.nextLine();
8             System.out.println("Enter Ship To Contact:");
9             String shipContact = sc.nextLine();
10            System.out.println("Enter Ship To Email:");
11            String shipEmail = sc.nextLine();
12
13            // Payment Information
14            System.out.println("\n--- PAYMENT INFORMATION ---");
15            System.out.println("Enter Payment Date (e.g., 7 days from date of delivery):");
16            String paymentDate = sc.nextLine();
17            System.out.println("Enter Payment Terms (e.g., 100% against invoice):");
18            String paymentTerms = sc.nextLine();
19
20            System.out.println("\n===== ENTER PRODUCT DETAILS =====\n");
21
22            // Product 1 Input
23            System.out.println("--- PRODUCT 1 ---");
24            System.out.println("Product Code:");
25            String p1Code = sc.nextLine();
26            System.out.println("Product Name:");
27            String p1Name = sc.nextLine();
28            System.out.println("HSN Code:");
29            String p1Hsn = sc.nextLine();

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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();

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3     public class InvoiceGenerator {
4         public static void main(String[] args) {
75             String p2Units = sc.nextLine();
76             System.out.println("Rate (per unit):");
77             double p2Rate = sc.nextDouble();
78             System.out.println("Tax % (e.g. 5 or 18):");
79             double p2TaxPer = sc.nextDouble();
80             sc.nextLine();
81
82             // Product 3 Input
83             System.out.println("\n--- PRODUCT 3 ---");
84             System.out.println("Product Code:");
85             String p3Code = sc.nextLine();
86             System.out.println("Product Name:");
87             String p3Name = sc.nextLine();
88             System.out.println("HSN Code:");
89             String p3Hsn = sc.nextLine();
90             System.out.println("Quantity:");
91             int p3Qty = sc.nextInt();
92             sc.nextLine();
93             System.out.println("Units (e.g. nos):");
94             String p3Units = sc.nextLine();
95             System.out.println("Rate (per unit):");
96             double p3Rate = sc.nextDouble();
97             System.out.println("Tax % (e.g. 5 or 18):");
98             double p3TaxPer = sc.nextDouble();
99             sc.nextLine();

```

```

3 public class InvoiceGenerator {
4     public static void main(String[] args) {
5         sc.nextLine();
6
7         // Product 4 Input
8         System.out.println("\n--- PRODUCT 4 ---");
9         System.out.println("Product Code:");
10        String p4Code = sc.nextLine();
11        System.out.println("Product Name:");
12        String p4Name = sc.nextLine();
13        System.out.println("HSN Code:");
14        String p4Hsn = sc.nextLine();
15        System.out.println("Quantity:");
16        int p4Qty = sc.nextInt();
17        sc.nextLine();
18        System.out.println("Units (e.g. nos):");
19        String p4Units = sc.nextLine();
20        System.out.println("Rate (per unit):");
21        double p4Rate = sc.nextDouble();
22        System.out.println("Tax % (e.g. 5 or 18):");
23        double p4TaxPer = sc.nextDouble();
24        sc.nextLine();
25
26        // Product 5 Input
27        System.out.println("\n--- PRODUCT 5 ---");
28        System.out.println("Product Code:");
29        String p5Code = sc.nextLine();

```

```

3 public class InvoiceGenerator {
4     public static void main(String[] args) {
5         String p5Code = sc.nextLine();
6         System.out.println("Product Name:");
7         String p5Name = sc.nextLine();
8         System.out.println("HSN Code:");
9         String p5Hsn = sc.nextLine();
10        System.out.println("Quantity:");
11        int p5Qty = sc.nextInt();
12        sc.nextLine();
13        System.out.println("Units (e.g. nos):");
14        String p5Units = sc.nextLine();
15        System.out.println("Rate (per unit):");
16        double p5Rate = sc.nextDouble();
17        System.out.println("Tax % (e.g. 5 or 18):");
18        double p5TaxPer = sc.nextDouble();
19        sc.nextLine();
20
21        // Product 6 Input
22        System.out.println("\n--- PRODUCT 6 ---");
23        System.out.println("Product Code:");
24        String p6Code = sc.nextLine();
25        System.out.println("Product Name:");
26        String p6Name = sc.nextLine();
27        System.out.println("HSN Code:");
28        String p6Hsn = sc.nextLine();
29        System.out.println("Quantity:");

```

```

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):");

```

```

3      public class InvoiceGenerator {
4          public static void main(String[] args) {
171              System.out.println("Rate (per unit):");
172              double p7Rate = sc.nextDouble();
173              System.out.println("Tax % (e.g. 5 or 18):");
174              double p7TaxPer = sc.nextDouble();
175              sc.nextLine();
176
177              // =====
178              // CALCULATIONS
179              // =====
180
181              double p1Base = p1Qty * p1Rate;
182              double p1TaxAmt = p1Base * (p1TaxPer / 100);
183              double p1Total = p1Base + p1TaxAmt;
184
185              double p2Base = p2Qty * p2Rate;
186              double p2TaxAmt = p2Base * (p2TaxPer / 100);
187              double p2Total = p2Base + p2TaxAmt;
188
189              double p3Base = p3Qty * p3Rate;
190              double p3TaxAmt = p3Base * (p3TaxPer / 100);
191              double p3Total = p3Base + p3TaxAmt;
192
193              double p4Base = p4Qty * p4Rate;
194              double p4TaxAmt = p4Base * (p4TaxPer / 100);
195              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 %s\n", billName, shipName);
228             System.out.printf("%-50s %s\n", billAddress, shipAddress);
229             System.out.printf("%-50s %s\n", "GSTIN:" + billGstin, "GSTIN:" + shipGstin);
230             System.out.printf("%-50s %s\n", "Contact: " + billContact, "Contact: " + shipContact);
231             System.out.printf("%-50s %s\n", "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, p5Hsn, 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("%9s %-15s %.2f%n", "", "Total", subTotal);
264          System.out.printf("%9s %-15s %.2f%n", "", "Discounts", discountAmt);
265          System.out.println("=====");
266          System.out.printf("%9s %-15s %.2f%n", "", "Grand Total", grandTotal);
267          System.out.println("=====");

261
262          // Totals Section
263          System.out.printf("%9s %-15s %.2f%n", "", "Total", subTotal);
264          System.out.printf("%9s %-15s %.2f%n", "", "Discounts", discountAmt);
265          System.out.println("=====");
266          System.out.printf("%9s %-15s %.2f%n", "", "Grand Total", grandTotal);
267          System.out.println("=====");
268
269          sc.close();
270      }
271  }

```