

The image shows two side-by-side Java code editors, likely from an IDE like IntelliJ IDEA. Both editors have a dark theme and are displaying the same file, `Invoice.java`.

**Top Editor (Left):**

```
1 public class Invoice {  
2     public static void main(String[] args) {  
3         System.out.printf("%-56s %-58s\n", "Email: " + email, "Email: " + email);  
4         System.out.println("-----");  
5         System.out.printf("%-58s %-45s\n", "Payment Date: 7 days from date of delivery", "Payment Terms: 100% against invoice");  
6         System.out.println("-----");  
7         System.out.print(headerFormat, "S.No", "Product Code", "Product Name", "HSN code", "Quantity", "Units", "Rate", "Tax", "Amount");  
8         System.out.println("-----");  
9         System.out.printf(rowFormat, 1, p1Code, p1Name, p1HSN, p1Qty, "nos", p1Rate, (int)(p1TaxRate * 100), p1TotalAmount);  
10        System.out.printf(rowFormat, 2, p2Code, p2Name, p2HSN, p2Qty, "nos", p2Rate, (int)(p2TaxRate * 100), p2TotalAmount);  
11        System.out.printf(rowFormat, 3, p3Code, p3Name, p3HSN, p3Qty, "nos", p3Rate, (int)(p3TaxRate * 100), p3TotalAmount);  
12        System.out.printf(rowFormat, 4, p4Code, p4Name, p4HSN, p4Qty, "nos", p4Rate, (int)(p4TaxRate * 100), p4TotalAmount);  
13        System.out.printf(rowFormat, 5, p5Code, p5Name, p5HSN, p5Qty, "nos", p5Rate, (int)(p5TaxRate * 100), p5TotalAmount);  
14        System.out.printf(rowFormat, 6, p6Code, p6Name, p6HSN, p6Qty, "nos", p6Rate, (int)(p6TaxRate * 100), p6TotalAmount);  
15        System.out.printf(rowFormat, 7, p7Code, p7Name, p7HSN, p7Qty, "nos", p7Rate, (int)(p7TaxRate * 100), p7TotalAmount);  
16        System.out.println("-----");  
17        String footerFormat = "%-86s %-12s | %10.2f\n";  
18        System.out.printf(footerFormat, "", "Total ", totalAmount);  
19        System.out.printf(footerFormat, "", "Discounts ", discountValue);  
20        System.out.printf(footerFormat, "", "Grand total", grandTotal);  
21        System.out.println("-----");  
22    }  
23}
```

**Bottom Editor (Right):**

```
1 import java.util.Scanner;  
2  
3 public class Invoice {  
4     public static void main(String[] args) {  
5         final double DISCOUNT_RATE = 0.006368;  
6         Scanner scanner = new Scanner(System.in);  
7  
8         System.out.println("Bill to Information");  
9         System.out.print("Enter Supermarket Name: ");  
10        String supermarketName = scanner.nextLine();  
11  
12        System.out.print("Enter Address Line 1: ");  
13        String addressLine1 = scanner.nextLine();  
14  
15        System.out.print("Enter Address Line 2: ");  
16        String addressLine2 = scanner.nextLine();  
17  
18        System.out.print("Enter GSTIN: ");  
19        String gstin = scanner.nextLine();  
20  
21        System.out.print("Enter Contact Number: ");  
22        String contact = scanner.nextLine();  
23  
24        System.out.print("Enter Email: ");  
25        String email = scanner.nextLine();  
26  
27        System.out.println("\nEnter Product Information");  
28        // Product 1  
29        System.out.print("Product 1 Name: ");  
30        String p1Name = scanner.nextLine();  
31        System.out.print("Product 1 Product Code: ");  
32        int p1Code = scanner.nextInt();  
33        System.out.print("Product 1 HSN code: ");  
34}
```

```
Invoice.java 0 ×
```

```
3  public class Invoice {  
5   public static void main(String[] args) {  
33    int p1Code = scanner.nextInt();  
34    System.out.print("Product 1 HSN code: ");  
35    long p1HSN = scanner.nextLong();  
36    System.out.print("Product 1 Quantity: ");  
37    int p1Qty = scanner.nextInt();  
38    System.out.print("Product 1 Rate: ");  
39    double p1Rate = scanner.nextDouble();  
40    System.out.print("Product 1 Tax %: ");  
41    double p1TaxRate = scanner.nextDouble() / 100.0;  
42  
43    scanner.nextLine();  
44  
45    // Product 2  
46    System.out.print("Product 2 Name : ");  
47    String p2Name = scanner.nextLine();  
48    System.out.print("Product 2 Product Code: ");  
49    int p2Code = scanner.nextInt();  
50    System.out.print("Product 2 HSN code: ");  
51    long p2HSN = scanner.nextLong();  
52    System.out.print("Product 2 Quantity: ");  
53    int p2Qty = scanner.nextInt();  
54    System.out.print("Product 2 Rate: ");  
55    double p2Rate = scanner.nextDouble();  
56    System.out.print("Product 2 Tax %: ");  
57    double p2TaxRate = scanner.nextDouble() / 100.0;  
58  
59    scanner.nextLine();  
60  
61    // Product 3  
62    System.out.print("Product 3 Name: ");  
63    String p3Name = scanner.nextLine();  
64    System.out.print("Product 3 Product Code: ");  
65    int p3Code = scanner.nextInt();  
66    System.out.print("Product 3 HSN code: ");  
67    long p3HSN = scanner.nextLong();  
68    System.out.print("Product 3 Quantity: ");  
69    int p3Qty = scanner.nextInt();  
70    System.out.print("Product 3 Rate: ");  
71    double p3Rate = scanner.nextDouble();  
72    System.out.print("Product 3 Tax %: ");  
73    double p3TaxRate = scanner.nextDouble() / 100.0;  
74  
75    scanner.nextLine();  
76  
77    // Product 4  
78    System.out.print("Product 4 Name: ");  
79    String p4Name = scanner.nextLine();  
80    System.out.print("Product 4 Product Code: ");  
81    int p4Code = scanner.nextInt();  
82    System.out.print("Product 4 HSN code: ");  
83    long p4HSN = scanner.nextLong();  
84    System.out.print("Product 4 Quantity: ");  
85    int p4Qty = scanner.nextInt();  
86    System.out.print("Product 4 Rate: ");  
87    double p4Rate = scanner.nextDouble();  
88    System.out.print("Product 4 Tax %: ");  
89    double p4TaxRate = scanner.nextDouble() / 100.0;  
90  
91    scanner.nextLine();  
92  
93    // Product 5  
94    System.out.print("Product 5 Name: ");  
Run  Invoice ×
```

```
Invoice.java ① ×
3  public class Invoice {
5   public static void main(String[] args) {
93    // Product 5
94    System.out.print("Product 5 Name: ");
95    String p5Name = scanner.nextLine();
96    System.out.print("Product 5 Product Code: ");
97    int p5Code = scanner.nextInt();
98    System.out.print("Product 5 HSN code: ");
99    long p5HSN = scanner.nextLong();
100   System.out.print("Product 5 Quantity: ");
101   int p5Qty = scanner.nextInt();
102   System.out.print("Product 5 Rate: ");
103   double p5Rate = scanner.nextDouble();
104   System.out.print("Product 5 Tax %: ");
105   double p5TaxRate = scanner.nextDouble() / 100.0;
106
107   scanner.nextLine();
108
109   // Product 6
110   System.out.print("Product 6 Name: ");
111   String p6Name = scanner.nextLine();
112   System.out.print("Product 6 Product Code: ");
113   int p6Code = scanner.nextInt();
114   System.out.print("Product 6 HSN code: ");
115   long p6HSN = scanner.nextLong();
116   System.out.print("Product 6 Quantity: ");
117   int p6Qty = scanner.nextInt();
118   System.out.print("Product 6 Rate: ");
119   double p6Rate = scanner.nextDouble();
120   System.out.print("Product 6 Tax %: ");
121   double p6TaxRate = scanner.nextDouble() / 100.0;
122
123   scanner.nextLine();
124 }
```

```
Invoice.java ① ×
3  public class Invoice {
5   public static void main(String[] args) {
141  // Calculations
142  double p1BaseAmount = p1Qty * p1Rate;
143  double p1Tax = p1BaseAmount * p1TaxRate;
144  double p1TotalAmount = p1BaseAmount + p1Tax;
145
146  double p2BaseAmount = p2Qty * p2Rate;
147  double p2Tax = p2BaseAmount * p2TaxRate;
148  double p2TotalAmount = p2BaseAmount + p2Tax;
149
150  double p3BaseAmount = p3Qty * p3Rate;
151  double p3Tax = p3BaseAmount * p3TaxRate;
152  double p3TotalAmount = p3BaseAmount + p3Tax;
153
154  double p4BaseAmount = p4Qty * p4Rate;
155  double p4Tax = p4BaseAmount * p4TaxRate;
156  double p4TotalAmount = p4BaseAmount + p4Tax;
157
158  double p5BaseAmount = p5Qty * p5Rate;
159  double p5Tax = p5BaseAmount * p5TaxRate;
160  double p5TotalAmount = p5BaseAmount + p5Tax;
161
162  double p6BaseAmount = p6Qty * p6Rate;
163  double p6Tax = p6BaseAmount * p6TaxRate;
164  double p6TotalAmount = p6BaseAmount + p6Tax;
165
166  double p7BaseAmount = p7Qty * p7Rate;
167  double p7Tax = p7BaseAmount * p7TaxRate;
168  double p7TotalAmount = p7BaseAmount + p7Tax;
169
170  double totalAmount = p1TotalAmount + p2TotalAmount + p3TotalAmount + p4TotalAmount + p5TotalAmount + p6TotalAmount + p7TotalAmount;
171
172  double discountValue = totalAmount * DISCOUNT_RATE;
```

```
Invoice.java 0 ×
```

```
3  public class Invoice {  
5   public static void main(String[] args) {  
165  
166     double p7BaseAmount = p7Qty * p7Rate;  
167     double p7Tax = p7BaseAmount * p7TaxRate;  
168     double p7TotalAmount = p7BaseAmount + p7Tax;  
169  
170     double totalAmount = p1TotalAmount + p2TotalAmount + p3TotalAmount + p4TotalAmount + p5TotalAmount + p6TotalAmount + p7TotalAmount;  
171  
172     double discountValue = totalAmount * DISCOUNT_RATE;  
173  
174     double grandTotal = totalAmount - discountValue;  
175  
176     // Output Formatting  
177     String headerFormat = "| %4s | %-12s | %-25s | %-10s | %-8s | %-4s | %-8s | %-5s | %-10s|\n";  
178     String rowFormat = "| %4d | %12d | %25s | %10d | %8d | %4s | %8.2f | %5d | %10.2f |\n";  
179  
180     System.out.println("\n-----");  
181     System.out.printf("| %-56s | %-58s|\n", "Bill To", "Ship To");  
182     System.out.println("-----");  
183  
184     System.out.printf("| %-56s | %-58s|\n", supermarketName, supermarketName);  
185     System.out.printf("| %-56s | %-58s|\n", addressLine1, addressLine1);  
186     System.out.printf("| %-56s | %-58s|\n", addressLine2, addressLine2);  
187     System.out.printf("| %-56s | %-58s|\n", "GSTIN:" + gstin, "GSTIN:" + gstin);  
188     System.out.printf("| %-56s | %-58s|\n", "Contact: " + contact, "Contact: " + contact);  
189     System.out.printf("| %-56s | %-58s|\n", "Email: " + email, "Email: " + email);  
190  
191     System.out.println("-----");  
192     System.out.printf("      %-58s |%-45s|\n", "Payment Date: 7 days from date of delivery", "Payment Terms: 100% against invoice");  
193  
194     System.out.println("-----");  
195     System.out.printf(headerFormat, "S.No", "Product Code", "Product Name", "HSN code", "Quantity", "Units", "Rate", "Tax", "Amount");  
196     System.out.println("-----");
```