

```

// Print the formatted invoice (approximation of sample layout)
System.out.println("\n\n===== SALES INVOICE =====\n");
System.out.println("Bill To:");
System.out.println("  " + billName);
System.out.println("  " + billAddress);
System.out.println("  GSTIN: " + billGstin);
System.out.println("  Contact: " + billContact);
System.out.println("  Email: " + billEmail);

System.out.println("\nShip To:");
System.out.println("  " + shipName);
System.out.println("  " + shipAddress);
System.out.println("  GSTIN: " + shipGstin);
System.out.println("  Contact: " + shipContact);
System.out.println("  Email: " + shipEmail);

System.out.println("\nPayment Date: 7 days from date of delivery");
System.out.println("Payment Terms: 100% against invoice\n");

// Table header
System.out.println(String.format("%-4s %-12s %-28s %-10s %8s %6s %10s %6s %12s",
    "S.No", "Prod Code", "Product Name", "HSN code", "Quantity", "Units", "Rate", "Tax", "Amount"));
System.out.println("-----");

// Rows (formatted)
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "1", p1_code, p1_name, p1_hsn, p1_qty, p1_units, p1_rate, p1_tax, p1_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "2", p2_code, p2_name, p2_hsn, p2_qty, p2_units, p2_rate, p2_tax, p2_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "3", p3_code, p3_name, p3_hsn, p3_qty, p3_units, p3_rate, p3_tax, p3_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "4", p4_code, p4_name, p4_hsn, p4_qty, p4_units, p4_rate, p4_tax, p4_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "5", p5_code, p5_name, p5_hsn, p5_qty, p5_units, p5_rate, p5_tax, p5_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "6", p6_code, p6_name, p6_hsn, p6_qty, p6_units, p6_rate, p6_tax, p6_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "7", p7_code, p7_name, p7_hsn, p7_qty, p7_units, p7_rate, p7_tax, p7_amount));

```

Project3.java Version control

Project3.java C:\Users\DELL\Desktop\OOP Codes\Project3.java

Project

Project3.java

.idea

out

src

Main

.gitignore

Project3.java.iml

External Libraries

Scratches and Consoles

Main.java

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         // Header / parties
8         System.out.println("Enter 'Bill To' information:");
9         System.out.print(" Name: ");
10        String billName = sc.nextLine();
11        System.out.print(" Address (single line): ");
12        String billAddress = sc.nextLine();
13        System.out.print(" GSTIN: ");
14        String billGstin = sc.nextLine();
15        System.out.print(" Contact: ");
16        String billContact = sc.nextLine();
17        System.out.print(" Email: ");
18        String billEmail = sc.nextLine();
19
20        System.out.println("\nEnter 'Ship To' information:");
21        System.out.print(" Name: ");
22        String shipName = sc.nextLine();
23        System.out.print(" Address (single line): ");
24        String shipAddress = sc.nextLine();
25        System.out.print(" GSTIN: ");
26        String shipGstin = sc.nextLine();
27        System.out.print(" Contact: ");
28        String shipContact = sc.nextLine();
```

Run Main

Tool window is shared with other guests. They can see your actions, and you can see theirs.

```
"C:\Program Files\Java\jdk-24\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.4\lib\idea_rt.jar=64911" -Dfile.encoding=UTF-8
Enter 'Bill To' information:
Name:
```

Performance

Start Recording 00:00

CPU

Heap Memory

Project3.java > src > Main 3:18 LF UTF-8 4 spaces


```
import java.util.Scanner;

public class Main{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        // Header / parties
        System.out.println("Enter 'Bill To' information:");
        System.out.print("  Name: ");
        String billName = sc.nextLine();
        System.out.print("  Address (single line): ");
        String billAddress = sc.nextLine();
        System.out.print("  GSTIN: ");
        String billGstin = sc.nextLine();
        System.out.print("  Contact: ");
        String billContact = sc.nextLine();
        System.out.print("  Email: ");
        String billEmail = sc.nextLine();

        System.out.println("\nEnter 'Ship To' information:");
        System.out.print("  Name: ");
        String shipName = sc.nextLine();
        System.out.print("  Address (single line): ");
        String shipAddress = sc.nextLine();
        System.out.print("  GSTIN: ");
        String shipGstin = sc.nextLine();
        System.out.print("  Contact: ");
        String shipContact = sc.nextLine();
        System.out.print("  Email: ");
        String shipEmail = sc.nextLine();

        System.out.println("\nNow enter product information for 7 products (one by one).");
        // Product 1
        System.out.println("\nProduct 1:");
        System.out.print("  Product Code (integer): ");
        int p1_code = Integer.parseInt(sc.nextLine());
        System.out.print("  Product Name: ");
        String p1_name = sc.nextLine();
        System.out.print("  HSN code: ");
        String p1_hsn = sc.nextLine();
        System.out.print("  Quantity (number): ");
        double p1_qty = Double.parseDouble(sc.nextLine());
```

Contact: +91-785636744547
Email: purchase-team@thendral.com

Now enter product information for 7 products (one by one).

Product 1:

Product Code (integer): 105
Product Name: Surf Excel 5kg
HSN code: 109

```
public class Main{
```

```
    public static void main(String[] args) {
```

```
        // Product 1
```

```
        System.out.println("\nProduct 1:");
```

```
        System.out.print("  Product Code (integer): ");
```

```
        int p1_code = Integer.parseInt(sc.nextLine());
```

```
        System.out.print("  Product Name: ");
```

```
        String p1_name = sc.nextLine();
```

```
        System.out.print("  HSN code: ");
```

```
        String p1_hsn = sc.nextLine();
```

```
        System.out.print("  Quantity (number): ");
```

```
        double p1_qty = Double.parseDouble(sc.nextLine());
```

```
        System.out.print("  Units (e.g. nos, kg): ");
```

```
        String p1_units = sc.nextLine();
```

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

```
        double p1_rate = Double.parseDouble(sc.nextLine());
```

```
        System.out.print("  Tax % (e.g. 5 or 18): ");
```

```
        double p1_tax = Double.parseDouble(sc.nextLine());
```

```
        double p1_amount = p1_qty * p1_rate * (1.0 + p1_tax / 100.0);
```

```
        // Product 2
```

```
        System.out.println("\nProduct 2:");
```

```
        System.out.print("  Product Code (integer): ");
```

```
        int p2_code = Integer.parseInt(sc.nextLine());
```

```
        System.out.print("  Product Name: ");
```

```
        String p2_name = sc.nextLine();
```

```
        System.out.print("  HSN code: ");
```

```
        String p2_hsn = sc.nextLine();
```

```
        System.out.print("  Quantity (number): ");
```

```
        double p2_qty = Double.parseDouble(sc.nextLine());
```

```
        System.out.print("  Units (e.g. nos, kg): ");
```

```
        String p2_units = sc.nextLine();
```

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

```
        double p2_rate = Double.parseDouble(sc.nextLine());
```

```
        System.out.print("  Tax % (e.g. 5 or 18): ");
```

```
        double p2_tax = Double.parseDouble(sc.nextLine());
```

```
        double p2_amount = p2_qty * p2_rate * (1.0 + p2_tax / 100.0);
```

```
        // Product 3
```

```
        System.out.println("\nProduct 3:");
```

```
        System.out.print("  Product Code (integer): ");
```

```
        int p3_code = Integer.parseInt(sc.nextLine());
```

```
String p5_name = sc.nextLine();
System.out.print(" HSN code: ");
String p5_hsn = sc.nextLine();
System.out.print(" Quantity (number): ");
double p5_qty = Double.parseDouble(sc.nextLine());
System.out.print(" Units (e.g. nos, kg): ");
String p5_units = sc.nextLine();
System.out.print(" Rate (per unit): ");
double p5_rate = Double.parseDouble(sc.nextLine());
System.out.print(" Tax % (e.g. 5 or 18): ");
double p5_tax = Double.parseDouble(sc.nextLine());
double p5_amount = p5_qty * p5_rate * (1.0 + p5_tax / 100.0);
```

```
// Product 6
System.out.println("\nProduct 6:");
System.out.print(" Product Code (integer): ");
int p6_code = Integer.parseInt(sc.nextLine());
System.out.print(" Product Name: ");
String p6_name = sc.nextLine();
System.out.print(" HSN code: ");
String p6_hsn = sc.nextLine();
System.out.print(" Quantity (number): ");
double p6_qty = Double.parseDouble(sc.nextLine());
System.out.print(" Units (e.g. nos, kg): ");
String p6_units = sc.nextLine();
System.out.print(" Rate (per unit): ");
double p6_rate = Double.parseDouble(sc.nextLine());
System.out.print(" Tax % (e.g. 5 or 18): ");
double p6_tax = Double.parseDouble(sc.nextLine());
double p6_amount = p6_qty * p6_rate * (1.0 + p6_tax / 100.0);
```

```
// Product 7
System.out.println("\nProduct 7:");
System.out.print(" Product Code (integer): ");
int p7_code = Integer.parseInt(sc.nextLine());
System.out.print(" Product Name: ");
String p7_name = sc.nextLine();
System.out.print(" HSN code: ");
String p7_hsn = sc.nextLine();
System.out.print(" Quantity (number): ");
```


Project3.java Version control

Project3.java C:\Users\DELL\Desktop\QOP Codes\Project3.java

out

src

Main

gitignore

Project3.java.iml

External Libraries

Scratches and Consoles

Main.java

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         // Header / parties
8         System.out.println("Enter 'Bill To' information:");
9         System.out.print(" Name: ");
10        String billName = sc.nextLine();
11        System.out.print(" Address (single line): ");
12        String billAddress = sc.nextLine();
13        System.out.print(" GSTIN: ");
14        String billGstin = sc.nextLine();
15        System.out.print(" Contact: ");
16        String billContact = sc.nextLine();
17        System.out.print(" Email: ");
18        String billEmail = sc.nextLine();
19
20        System.out.println("\nEnter 'Ship To' information:");
21        System.out.print(" Name: ");
22        String shipName = sc.nextLine();
23        System.out.print(" Address (single line): ");
24        String shipAddress = sc.nextLine();
25        System.out.print(" GSTIN: ");
26        String shipGstin = sc.nextLine();
27        System.out.print(" Contact: ");
28        String shipContact = sc.nextLine();
```

Run Main

Tool window is shared with other guests. They can see your actions, and you can see theirs.

Enter 'Bill To' information:
Name: Thendral Supermarket
Address (single line): No 23/2, SBI Colony.
GSTIN: 33APFSDFI2V
Contact: +91-7869825463
Email: purchase-team@thendral.com

Enter 'Ship To' information:
Name: Thendral Supermarket
Address (single line): No 23/2, SBI Colony,
GSTIN: 33APFSDFI2V

Performance

Start Recording 00:00

CPU

Heap Memory

Project3.java > src > Main 3:18 LF UTF-8 4 spaces

```
// Product 3
System.out.println("\nProduct 3:");
System.out.print(" Product Code (integer): ");
int p3_code = Integer.parseInt(sc.nextLine());
System.out.print(" Product Name: ");
String p3_name = sc.nextLine();
System.out.print(" HSN code: ");
String p3_hsn = sc.nextLine();
System.out.print(" Quantity (number): ");
double p3_qty = Double.parseDouble(sc.nextLine());
System.out.print(" Units (e.g. nos, kg): ");
String p3_units = sc.nextLine();
System.out.print(" Rate (per unit): ");
double p3_rate = Double.parseDouble(sc.nextLine());
System.out.print(" Tax % (e.g. 5 or 18): ");
double p3_tax = Double.parseDouble(sc.nextLine());
double p3_amount = p3_qty * p3_rate * (1.0 + p3_tax / 100.0);
```

```
// Product 4
System.out.println("\nProduct 4:");
System.out.print(" Product Code (integer): ");
int p4_code = Integer.parseInt(sc.nextLine());
System.out.print(" Product Name: ");
String p4_name = sc.nextLine();
System.out.print(" HSN code: ");
String p4_hsn = sc.nextLine();
System.out.print(" Quantity (number): ");
double p4_qty = Double.parseDouble(sc.nextLine());
System.out.print(" Units (e.g. nos, kg): ");
String p4_units = sc.nextLine();
System.out.print(" Rate (per unit): ");
double p4_rate = Double.parseDouble(sc.nextLine());
System.out.print(" Tax % (e.g. 5 or 18): ");
double p4_tax = Double.parseDouble(sc.nextLine());
double p4_amount = p4_qty * p4_rate * (1.0 + p4_tax / 100.0);
```

```
// Product 5
System.out.println("\nProduct 5:");
System.out.print(" Product Code (integer): ");
```



```

System.out.println("\nShip To:");
System.out.println("  " + shipName);
System.out.println("  " + shipAddress);
System.out.println(" GSTIN: " + shipGstin);
System.out.println(" Contact: " + shipContact);
System.out.println(" Email: " + shipEmail);

System.out.println("\nPayment Date: 7 days from date of delivery");
System.out.println("Payment Terms: 100% against invoice\n");

// Table header
System.out.println(String.format("%-4s %-12s %-28s %-10s %8s %6s %10s %6s %12s",
    "S.No", "Prod Code", "Product Name", "HSN code", "Quantity", "Units", "Rate", "Tax", "Amount"));
System.out.println("-----");

// Rows (formatted)
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "1", p1_code, p1_name, p1_hsn, p1_qty, p1_units, p1_rate, p1_tax, p1_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "2", p2_code, p2_name, p2_hsn, p2_qty, p2_units, p2_rate, p2_tax, p2_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "3", p3_code, p3_name, p3_hsn, p3_qty, p3_units, p3_rate, p3_tax, p3_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "4", p4_code, p4_name, p4_hsn, p4_qty, p4_units, p4_rate, p4_tax, p4_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "5", p5_code, p5_name, p5_hsn, p5_qty, p5_units, p5_rate, p5_tax, p5_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "6", p6_code, p6_name, p6_hsn, p6_qty, p6_units, p6_rate, p6_tax, p6_amount));
System.out.println(String.format("%-4s %-12d %-28s %-10s %8.0f %6s %10.2f %5.0f%% %12.2f",
    "7", p7_code, p7_name, p7_hsn, p7_qty, p7_units, p7_rate, p7_tax, p7_amount));

System.out.println("-----");

System.out.println(String.format("%6s %12.2f", "Total", total));
System.out.println(String.format("%6s %12.2f", "Discounts (" + String.format("%.4f", 0.6368) + "%)", discountAmount));
System.out.println(String.format("%6s %12.2f", "Grand total", grandTotal));

sc.close();
}
}

```