

```
// 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("-" * 60);

// 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));
```

The screenshot shows the IntelliJ IDEA 2025.2.4 interface with a Java project named "Project3". The "Main.java" file is open in the editor, displaying code to read bill and ship information using Scanner. The code prompts for Name, Address, GSTIN, Contact, and Email for both bill and ship parties. The "Run" tool window is open, showing the run configuration for "Main". The terminal below shows the execution command and the prompt "Enter 'Bill To' information:". A performance monitor window is also visible on the right.

```
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();
    }
}
```

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

```
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](mailto: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): ");
double p7_qty = Double.parseDouble(sc.nextLine());
System.out.print(" Units (e.g. nos, kg): ");
String p7_units = sc.nextLine();
System.out.print(" Rate (per unit): ");
double p7_rate = Double.parseDouble(sc.nextLine());
System.out.print(" Tax % (e.g. 5 or 18): ");
double p7_tax = Double.parseDouble(sc.nextLine());
double p7_amount = p7_qty * p7_rate * (1.0 + p7_tax / 100.0);
```

The screenshot shows an IDE interface with a dark theme. On the left, the Project tool window displays a project named "Project3.java" containing files like ".idea", "out", and "src/Main". The Main.java file is open in the center editor, showing Java code for reading bill and ship information using Scanner. The Run tool window at the bottom shows the console output for both bill and ship information entries. A Performance tool window on the right shows CPU and Heap Memory usage.

Project

- Project3.java C:\Users\DELL\Desktop\OOP Codes\Project3.java
- .idea
- out
- src
- Main
- .gitignore
- Project3.java.iml

Main.java

```
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();
    }
}
```

Run Main

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

Enter 'Bill To' information:  
Name: Thendral Supermarket  
Address (single line): No 23/2, SBI Colony.  
GSTIN: 33APPSDF1ZV  
Contact: +91-7869025463  
Email: purchase-team@thendral.com

Enter 'Ship To' information:  
Name: Thendral Supermarket  
Address (single line): No 23/2, SBI Colony,  
GSTIN: 33APPSDF1ZV

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("%64s %12.2f", "Total", total));
System.out.println(String.format("%64s %12.2f", "Discounts (" + String.format("%.4f", 0.6368) + "%)", discountAmount));
System.out.println(String.format("%64s %12.2f", "Grand total", grandTotal));

sc.close();
}
}

```