FULL JAVA CODE

```java
import java.util.Scanner;

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

        // Bill To Information ---
        System.out.println("\n--- Enter Bill To Information ---");
        System.out.print("Bill To Name (e.g., Thendral Supermarket): ");
        String billToName = scanner.nextLine();
        System.out.print("Bill To Address Line 1 (e.g., No.23/2, SBI Colony.): ");
        String billToAddress1 = scanner.nextLine();
        System.out.print("Bill To Address Line 2 (e.g., Ragavendhra Nagar, Chennai - 600124): ");
        String billToAddress2 = scanner.nextLine();
        System.out.print("Bill To GSTIN (e.g., 33APFSDF1ZV): ");
        String billToGstin = scanner.nextLine();
        System.out.print("Bill To Contact Number (e.g., +91-7869825463): ");
        String billToContact = scanner.nextLine();
        System.out.print("Bill To Email (e.g., purchase-team@thendral.com): ");
        String billToEmail = scanner.nextLine();

        // Ship To Information ---
        System.out.println("\n--- Enter Ship To Information ---");
        System.out.print("Ship To Name (e.g., Thendral Supermarket): ");
        String shipToName = scanner.nextLine();
        System.out.print("Ship To Address Line 1 (e.g., No.23/2, SBI Colony.): ");
        String shipToAddress1 = scanner.nextLine();
        System.out.print("Ship To Address Line 2 (e.g., Ragavendhra Nagar, Chennai - 600124): ");
        String shipToAddress2 = scanner.nextLine();
```

```java
public class Main {
    public static void main(String[] args) {
        System.out.print("Ship To GSTIN (e.g., 33APFSDF1ZV): ");
        String shipToGstin = scanner.nextLine();
        System.out.print("Ship To Contact Number (e.g., +91-7869825463): ");
        String shipToContact = scanner.nextLine();
        System.out.print("Ship To Email (e.g., dispatch@thendral.com): ");
        String shipToEmail = scanner.nextLine();


        // Product 1 Input ---
        System.out.println("\n--- Enter Details for Product 1 (e.g., Surf Excel 5 kg) ---");
        System.out.print("Product Code (int): ");
        int code1 = scanner.nextInt();
        scanner.nextLine(); // Consume newline
        System.out.print("Product Name (String): ");
        String name1 = scanner.nextLine();
        System.out.print("HSN Code (int): ");
        int hsn1 = scanner.nextInt();
        System.out.print("Quantity (int): ");
        int qty1 = scanner.nextInt();
        scanner.nextLine(); // Consume newline
        System.out.print("Unit (String, e.g., nos): ");
        String unit1 = scanner.nextLine();
        System.out.print("Rate (double): ");
        double rate1 = scanner.nextDouble();
        System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
        int taxP1 = scanner.nextInt();
```

```java
public class Main {
    public static void main(String[] args) {
        // Product 2 Input ---
        System.out.println("\n--- Enter Details for Product 2 (e.g., Rin 1 kg) ---");
        System.out.print("Product Code (int): ");
        int code2 = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Product Name (String): ");
        String name2 = scanner.nextLine();
        System.out.print("HSN Code (int): ");
        int hsn2 = scanner.nextInt();
        System.out.print("Quantity (int): ");
        int qty2 = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Unit (String, e.g., nos): ");
        String unit2 = scanner.nextLine();
        System.out.print("Rate (double): ");
        double rate2 = scanner.nextDouble();
        System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
        int taxP2 = scanner.nextInt();

        // Product 3 Input ---
        System.out.println("\n--- Enter Details for Product 3 (e.g., Hamam soap 150 g) ---");
        System.out.print("Product Code (int): ");
        int code3 = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Product Name (String): ");
        String name3 = scanner.nextLine();
        System.out.print("HSN Code (int): ");
```

```java
public class Main {
    public static void main(String[] args) {
        int hsn3 = scanner.nextInt();
        System.out.print("Quantity (int): ");
        int qty3 = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Unit (String, e.g., nos): ");
        String unit3 = scanner.nextLine();
        System.out.print("Rate (double): ");
        double rate3 = scanner.nextDouble();
        System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
        int taxP3 = scanner.nextInt();

        // Product 4 Input ---
        System.out.println("\n--- Enter Details for Product 4 (e.g., Lux Soap 150 g) ---");
        System.out.print("Product Code (int): ");
        int code4 = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Product Name (String): ");
        String name4 = scanner.nextLine();
        System.out.print("HSN Code (int): ");
        int hsn4 = scanner.nextInt();
        System.out.print("Quantity (int): ");
        int qty4 = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Unit (String, e.g., nos): ");
        String unit4 = scanner.nextLine();
        System.out.print("Rate (double): ");
        double rate4 = scanner.nextDouble();
```

```java
public class Main {
    public static void main(String[] args) {
            System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
            int taxP4 = scanner.nextInt();

            // Product 5 Input ---
            System.out.println("\n--- Enter Details for Product 5 (e.g., Dove soap 125 g) ---");
            System.out.print("Product Code (int): ");
            int code5 = scanner.nextInt();
            scanner.nextLine();
            System.out.print("Product Name (String): ");
            String name5 = scanner.nextLine();
            System.out.print("HSN Code (int): ");
            int hsn5 = scanner.nextInt();
            System.out.print("Quantity (int): ");
            int qty5 = scanner.nextInt();
            scanner.nextLine();
            System.out.print("Unit (String, e.g., nos): ");
            String unit5 = scanner.nextLine();
            System.out.print("Rate (double): ");
            double rate5 = scanner.nextDouble();
            System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
            int taxP5 = scanner.nextInt();

            // Product 6 Input ---
            System.out.println("\n--- Enter Details for Product 6 (e.g., Vim bar 200 g) ---");
            System.out.print("Product Code (int): ");
            int code6 = scanner.nextInt();
            scanner.nextLine();
```

Main.java ×

```java
public class Main {
    public static void main(String[] args) {
            System.out.print("Product Name (String): ");
            String name6 = scanner.nextLine();
            System.out.print("HSN Code (int): ");
            String hsn6 = scanner.nextLine();
            System.out.print("Quantity (int): ");
            int qty6 = scanner.nextInt();
            scanner.nextLine();
            System.out.print("Unit (String, e.g., nos): ");
            String unit6 = scanner.nextLine();
            System.out.print("Rate (double): ");
            double rate6 = scanner.nextDouble();
            System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
            int taxP6 = scanner.nextInt();

            // Product 7 Input ---
            System.out.println("\n--- Enter Details for Product 7 (e.g., Pepsodent 150 g) ---");
            System.out.print("Product Code (int): ");
            int code7 = scanner.nextInt();
            scanner.nextLine();
            System.out.print("Product Name (String): ");
            String name7 = scanner.nextLine();
            System.out.print("HSN Code (int): ");
            int hsn7 = scanner.nextInt();
            System.out.print("Quantity (int): ");
            int qty7 = scanner.nextInt();
            scanner.nextLine();
            System.out.print("Unit (String, e.g., nos): ");
```

```java
public class Main {
    public static void main(String[] args) {
            String unit7 = scanner.nextLine();
            System.out.print("Rate (double): ");
            double rate7 = scanner.nextDouble();
            System.out.print("Tax Percentage (int, e.g., 5 or 18): ");
            int taxP7 = scanner.nextInt();
            scanner.close();

            // --- Calculations ---
            double taxM1 = 1.0 + ((double)taxP1 / 100.0);
            double taxM2 = 1.0 + ((double)taxP2 / 100.0);
            double taxM3 = 1.0 + ((double)taxP3 / 100.0);
            double taxM4 = 1.0 + ((double)taxP4 / 100.0);
            double taxM5 = 1.0 + ((double)taxP5 / 100.0);
            double taxM6 = 1.0 + ((double)taxP6 / 100.0);
            double taxM7 = 1.0 + ((double)taxP7 / 100.0);

            // --- Product Amount Calculation ---
            double amount1 = rate1 * qty1 * taxM1;
            double amount2 = rate2 * qty2 * taxM2;
            double amount3 = rate3 * qty3 * taxM3;
            double amount4 = rate4 * qty4 * taxM4;
            double amount5 = rate5 * qty5 * taxM5;
            double amount6 = rate6 * qty6 * taxM6;
            double amount7 = rate7 * qty7 * taxM7;

            // --- Convert/Round all to 2 Decimal Places ---
            amount1 = Math.round(amount1 * 100.0) / 100.0;
```

```java
public class Main {
    public static void main(String[] args) {
            amount2 = Math.round(amount2 * 100.0) / 100.0;
            amount3 = Math.round(amount3 * 100.0) / 100.0;
            amount4 = Math.round(amount4 * 100.0) / 100.0;
            amount5 = Math.round(amount5 * 100.0) / 100.0;
            amount6 = Math.round(amount6 * 100.0) / 100.0;
            amount7 = Math.round(amount7 * 100.0) / 100.0;

            // --- Total Calculation ---
            double subTotal = amount1 + amount2 + amount3 + amount4 + amount5 + amount6 + amount7;
            subTotal = Math.round(subTotal * 100.0) / 100.0;
            final double DISCOUNT_RATE = 0.006368;

            // --- Discount and Grand Total ---
            double discountAmount = subTotal * DISCOUNT_RATE;
            double grandTotal = subTotal - discountAmount;

            discountAmount = Math.round(discountAmount * 100.0) / 100.0;
            grandTotal = Math.round(grandTotal * 100.0) / 100.0;

            final String SEPARATOR = "=================================================================================================";

            System.out.println("\n\n");
            System.out.println(SEPARATOR);
            System.out.println("| Bill To:                              | Ship To:                              |");
            System.out.println(SEPARATOR);
            System.out.println("|                                       |                                       |");
            System.out.println("| " + billToName + "                     | " + shipToName + "                     |");
```

```java
public class Main {
    public static void main(String[] args) {
        System.out.println("|                                                    |                                                        |");
        System.out.println("| " + billToName + "                              | " + shipToName + "                                |");
        System.out.println("| " + billToAddress1 + "                          | " + shipToAddress1 + "                            |");
        System.out.println("| " + billToAddress2 + "            | " + shipToAddress2 + "              |");
        System.out.println("| GSTIN:" + billToGstin + "                        | GSTIN:" + shipToGstin + "                          |");
        System.out.println("| Contact: " + billToContact + "                   | Contact: " + shipToContact + "                     |");
        System.out.println("| Email: " + billToEmail + "           | Email: " + shipToEmail + "                 |");
        System.out.println("|                                                    |                                                        |");
        System.out.println(SEPARATOR);
        System.out.println("|                                                    |");
        System.out.println("| Payment Date: 7 days from date of delivery    Payment Terms: 100% against invoice        |");
        System.out.println("|                                                    |");
        System.out.println(SEPARATOR);
        System.out.println("| S.No | Product Code | Product Name   | HSN code | Quantity | Units | Rate   | Tax |   Amount |");
        System.out.println(SEPARATOR);
        System.out.println("|  1   |    " + code1 + "         | " + name1 + " | " + hsn1 + " |     " + qty1 + "    |    " + unit1 + "   | " + rate1 + "   | " + taxP1 + "%  | " + amount1 + " |");
        System.out.println("|  2   |    " + code2 + "         | " + name2 + "          | " + hsn2 + " |     " + qty2 + "    |    " + unit2 + "   | " + rate2 + "   | " + taxP2 + "%   |   " + amount2 + " |");
        System.out.println("|  3   |    " + code3 + "         | " + name3 + " | " + hsn3 + " |     " + qty3 + "    |    " + unit3 + "   | " + rate3 + "   | " + taxP3 + "%  |   " + amount3 + " |");
        System.out.println("|  4   |    " + code4 + "         | " + name4 + " | " + hsn4 + "        | " + qty4 + "    |    " + unit4 + "   | " + rate4 + "   | " + taxP4 + "%   |   " + amount4 + " |");
        System.out.println("|  5   |    " + code5 + "         | " + name5 + " | " + hsn5 + " |     " + qty5 + "    |    " + unit5 + "   | " + rate5 + "   | " + taxP5 + "%   |   " + amount5 + " |");
        System.out.println("|  6   |    " + code6 + "         | " + name6 + "   | " + hsn6 + " |     " + qty6 + "    |    " + unit6 + "   | " + rate6 + "   | " + taxP6 + "%    |   " + amount6 + " |");
        System.out.println("|  7   |    " + code7 + "         | " + name7 + " | " + hsn7 + " |     " + qty7 + "    |    " + unit7 + "   | " + rate7 + "   | " + taxP7 + "%  |   " + amount7 + " |");
        System.out.println(SEPARATOR);
        System.out.println("|                                            Total     | " + subTotal + " |");
        System.out.println("|                                            Discounts    " + discountAmount + " |"); // Added extra spaces to align
        System.out.println("|                                            Grand total | " + grandTotal + " |");
        System.out.println(SEPARATOR);
    }
}
```