ELECTRICITY BILL

```
import java.util.Scanner;
class ElectricityBill {
   int consumerNo;
   String consumerName;
   int previousReading;
   int currentReading;
   String connectionType;
   void getInput() {
      Scanner sc = new Scanner(System.in);
      System.out.print("Enter Consumer Number: ");
      consumerNo = sc.nextInt();
      sc.nextLine();
      System.out.print("Enter Consumer Name: ");
      consumerName = sc.nextLine();
      System.out.print("Enter Previous Month Reading: ");
      previousReading = sc.nextInt();
      System.out.print("Enter Current Month Reading: ");
      currentReading = sc.nextInt();
      sc.nextLine();
      System.out.print("Enter Connection Type (domestic/commercial): ");
      connectionType = sc.nextLine();
   }
   void calculateBill() {
      int units = currentReading - previousReading;
      double amount = 0;
      if (connectionType.equalsIgnoreCase("domestic")) {
```

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        if (units <= 100) {
            amount = units * 1;
        } else if (units <= 200) {
            amount = 100 * 1 + (units - 100) * 2.5;
        } else if (units <= 500) {
            amount = 100 * 1 + 100 * 2.5 + (units - 200) * 4;
        } else {
            amount = 100 * 1 + 100 * 2.5 + 300 * 4 + (units - 500) * 6;
        }
    } else if (connectionType.equalsIgnoreCase("commercial")) {
        if (units <= 100) {
            amount = units * 2;
        } else if (units <= 200) {
            amount = 100 * 2 + (units - 100) * 4.5;
        } else if (units <= 500) {
            amount = 100 * 2 + 100 * 4.5 + (units - 200) * 6;
        } else {
            amount = 100 * 2 + 100 * 4.5 + 300 * 6 + (units - 500) * 7;
        }
    } else {
        System.out.println("Invalid Connection Type!");
        return;
    }
    System.out.println("\n----- Electricity Bill -----");
    System.out.println("Consumer Number: " + consumerNo);
    System.out.println("Consumer Name: " + consumerName);
```

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        System.out.println("Connection Type: " + connectionType);
        System.out.println("Units Consumed: " + units);
        System.out.println("Amount to be paid: Rs. " + amount);
    }
    public static void main(String[] args) {
        ElectricityBill eb = new ElectricityBill();
        eb.getInput();
        eb.calculateBill();
    }
}
```

OUTPUT:

Enter Consumer Number: 101

Enter Consumer Name: XYZ

Enter Previous Month Reading: 1200

Enter Current Month Reading: 1350

Enter Connection Type (domestic/commercial): domestic

----- Electricity Bill -----

Consumer Number: 101

Consumer Name: XYZ

Connection Type: domestic

Units Consumed: 150

Amount to be paid: Rs. 225.0