

Name :RENITHA U
Roll no. : 24UCS087 CSE C

```
import java.util.Scanner;
```

```
class ElectricityBill {  
  
    int consumerNo;  
  
    String consumerName;  
  
    int previousReading;  
  
    int currentReading;  
  
    String connectionType; // "domestic" or  
    "commercial"  
  
    void getInput() {  
  
        Scanner sc = new Scanner(System.in);  
  
        System.out.print("Enter Consumer  
Number: ");  
  
        consumerNo = sc.nextInt();  
  
        sc.nextLine(); // consume newline  
  
        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(); // consume newline  
  
        System.out.print("Enter Connection Type  
(domestic/commercial): ");
```

```
        connectionType = sc.nextLine();  
    }  
  
    void calculateBill() {  
  
        int units = currentReading -  
previousReading;  
  
        double amount = 0;  
  
        if  
(connectionType.equalsIgnoreCase("domestic  
")) {  
  
            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;
```

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```
        } 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);  
    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();  
}  
}
```

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Output:

Enter Consumer Number: 102

Enter Consumer Name: RENITHA

Enter Previous Month Reading: 1200

Enter Current Month Reading: 1500

Enter Connection Type
(domestic/commercial): domestic

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

Consumer Number: 102

Consumer Name: RENITHA

Connection Type: domestic

Units Consumed: 300

Amount to be paid: Rs. 750.0