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import java.util.Scanner;
class ElectBill
{
    int ConsumerNo;
    String ConsumerName;
    int PrevReading;
    int CurrReading;
    int EBConn;

    int units;
    double bill;

    void input_data ()

Scanner sc = new Scanner (System.in);

        System.out.print("Enter Consumer Number: ");
        ConsumerNo = sc.nextInt();
        System.out.print("Enter Consumer Name: ");
        ConsumerName = sc.next();
        System.out.print("Enter Previous units:");
        PrevReading = sc.nextInt();
        System.out.print("Enter Current Units:");
        CurrReading = sc.nextInt();
        System.out.print("Connection Type: 1. Domestic 2. Commercial (1 or 2):");
        EBConn = sc.nextInt();

    }
    void calculate_bill ( )
    {
        units = CurrReading - PrevReading;
        System.out.println("\n No of units: " + units);
        switch (EBConn)
        {
            case 1: if (units >= 0 && units<=100)
                    bill = units * 1;
                    else if(units>100 && units<=200)
                    bill = (100*1) + ((units-100) *2.50);
                    else if(units>200 && units<=500)
                    bill = (100*1) + (100*2.50) + ((units-200) *4);
                    else
                    bill = (100*1) + (100*2.50) + (300*4) + ((units-500) *6);
                    break;
            case 2: if (units >= 0 && units<=100)
                    bill = units * 2;
                    else if(units>100 && units<=200)
                    bill = (100*2) + ((units-100) *4.50);
                    else if(units>200 && units<=500)
                    bill = (100*2) + (100*4.50) + ((units-200) *6);
                    else
                    bill = (100*2) + (100*4.50) + (300*6) + ((units-500) *7);
                    break;
        }
    }
}

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    }

    void display ()
    {
        System.out.println("-----");
        System.out.println("  ELECTRICITY BILL  ");
        System.out.println("-----");
        System.out.println("Consumer Number: "+ConsumerNo);
        System.out.println("Consumer Name: "+ConsumerName);
        System.out.println("Consumer Previous Reading: "+PrevReading);
        System.out.println("Consumer Current Reading: "+CurrReading);
        System.out.println("Type of Connection: "+EBConn);
        System.out.println("-----");
        System.out.println("Total Bill in Rs." + bill);
    }
}

class ElectricityBill
{
    public static void main(String args[])
    {
        ElectBill b = new ElectBill();
        b.input_data();
        b.calculate_bill();
        b.display();
    }
}

```

