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package A1;

import java.util.Scanner;

/**
 *
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 */

class ElectricityBill
{
    int cno,prevReading,currReading,totUnits;
    String cname, type;
    double tariff;
    ElectricityBill(int cno, String cname, int prevReading, int
currReading, String type)
    {
        this.cno=cno;
        this.cname=cname;
        this.prevReading=prevReading;
        this.currReading=currReading;
        this.type=type;
        totUnits=currReading-prevReading;
    }

    void generateBill()
    {
        System.out.println("Consumer No.           : "+cno);
        System.out.println("Consumer Name       : "+cname);
        System.out.println("Connection type    : "+type);
        System.out.println("Previous month reading : "+prevReading);
        System.out.println("Current month reading : "+currReading);
        System.out.println("                -----
");
        System.out.println("Total units        : "+totUnits);
        System.out.println("                -----
");
        tariff=calcTariff(totUnits,type);
        System.out.println("TARIFF: "+tariff);
    }

    double calcTariff(int totUnits, String type)
    {
        int i=type.compareTo("domestic");
        if (i==0)
        {
            if (totUnits>=0 && totUnits<=100)
                return totUnits*1;
            else if(totUnits<=200)
                return totUnits*2.5;
            else if(totUnits<=500)
                return totUnits*4;
            else if (totUnits>501)
                return totUnits*6;
        }
        else

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        {
            if (totUnits>=0 && totUnits<=100)
                return totUnits*2;
            else if(totUnits<=200)
                return totUnits*4.5;
            else if(totUnits<=500)
                return totUnits*6;
            else if (totUnits>501)
                return totUnits*7;
        }
        return 0;
    }
}

public class MainElectricityBill {

    public static void main(String[] args) {
        int cno,prevReading,currReading;
        String cname, type;
        Scanner in=new Scanner(System.in);
        System.out.println("Enter details:");
        System.out.println("Consumer No.           : ");
        cno=in.nextInt();
        cname=in.nextLine();
        System.out.println("Consumer Name           : ");
        cname=in.nextLine();
        System.out.println("Connection type        : ");
        type=in.nextLine();
        System.out.println("Previous month reading : ");
        prevReading=in.nextInt();
        System.out.println("Current month reading  : ");
        currReading=in.nextInt();

        ElectricityBill obj=new
ElectricityBill(cno,cname,prevReading,currReading,type);

        obj.generateBill();
    }
}

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