import java.util.Scanner;

public class ElectricityyBill {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.print("Enter Consumer Number: ");

String consumerNumber=sc.nextLine();

System.out.print("Enter Consumer Name: ");

String consumerName=sc.nextLine();

System.out.print("Enter Previous Month Reading: ");

int prevReading=sc.nextInt();

System.out.print("Enter Current Month Reading: ");

int currReading=sc.nextInt();

sc.nextLine();

System.out.print("Enter Connection Type (domestic/commercial): ");

String type=sc.nextLine();

int units = currReading - prevReading;

double amount = 0;

if (type.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 (type.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 entered.");

}

System.out.println("\n Electricity Bill: ");

System.out.println("Consumer Number : " + consumerNumber);

System.out.println("Consumer Name : " + consumerName);

System.out.println("Connection Type : " + type);

System.out.println("Units Consumed : " + units);

System.out.println("Total Bill Amount : Rs. " + amount);

}

}

