4. A super class Detail has been defined to store the details of a customer. Define a subclass Bill to compute the monthly telephone charge of the customer as per the chart given below:

NUMBER OF CALLS	RATE
1-100	only rental Charge
101-200	60 paisa per call + rental charge
201-300	80 paisa per call + rental charge
Above 300	1 rupee per call + rental charge

```java
import java.util.Scanner;

class Detail {

    protected String name;

    protected String address;

    protected String telno;

    protected float rent;


    public Detail(String name, String address, String telno, float rent) {

        this.name = name;

        this.address = address;

        this.telno = telno;

        this.rent = rent;

    }


    public void show() {

        System.out.println("Name: " + name);

        System.out.println("Address: " + address);
```

```java
            System.out.println("Telephone number: " + telno);

            System.out.println("Monthly rental charge: " + rent);

        }

    }

    class Bill extends Detail {

        private int n;

        private float amt;

        public Bill(String name, String address, String telno, float rent, int n) {

            super(name, address, telno, rent);

            this.n = n;

            amt = 0.0f;

        }


        public void cal() {

            if (n <= 100) {

                amt = rent;

            } else if (n <= 200) {

                amt = rent + (0.60f * (n - 100));

            } else if (n <= 300) {amt = rent + (0.80f * (n - 200)) + 60.0f;}

            else {

                amt = rent + (1.0f * (n - 300)) + 140.0f;

            }

        }

        public void show() {

            super.show();
```

```java
        System.out.println("Number of calls: " + n);

        System.out.println("Amount to be paid: " + amt);

    }

}

public class Main {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter customer name: ");

        String name = scanner.nextLine();

        System.out.print("Enter customer address: ");

        String address = scanner.nextLine();

        System.out.print("Enter customer telephone number: ");

        String telno = scanner.nextLine();

        System.out.print("Enter monthly rental charge: ");

        float rent = scanner.nextFloat();

        System.out.print("Enter number of calls: ");

        int n = scanner.nextInt();

        Bill b = new Bill(name, address, telno, rent, n);

        b.cal();

        b.show();

        scanner.close();

    }

}
```