

Create class Customer with below attributes:

custId

accountId

creditCardCharges

Create another class CreditCardCompany which has a method which takes Customer object as parameter and returns the payback amount for the credit card charges value for that customer. Use below logic to calculate payback amount:

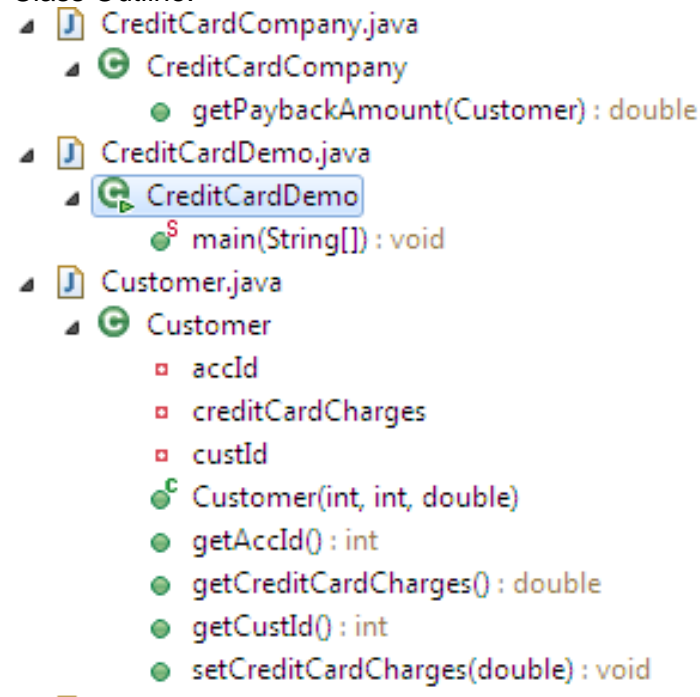
- a) 0.25% for charges up to Rs. 500.
- b) 0.50% for the next Rs.1000 (that is, the portion between Rs. 500 and Rs. 1500),
- c) 0.75% for the next Rs.1000 (that is, the portion between Rs. 1500 and Rs. 2500),
- d) 1.0% for charges above Rs2500.

Thus, a customer who charges Rs. 400 a year receives Rs.1.00, which is $0.25 \times 1/100 \times 400$, and one who charges Rs1, 400 a year receives Rs. 5.75, which is $1.25 = 0.25 \times 1/100 \times 500$ for the first Rs. 500 and $0.50 \times 1/100 \times 900 = 4.50$ for the next Rs. 900.

Create another class as CreditCardDemo which will have main method. Within main method, create object of CreditCardCompany. Create 5 customer objects with relevant data. Call the method to return payback amount for each customer and display the same.

Follow class outline diagram as given below. Ensure class attributes are private and other methods are public. **Use package "com" to build your solution.**

Class Outline:



Note: For Customer class constructor, first parameter is for custId and second is for accId