**package1**

package customer;

public class Customer {

protected String customerId;

protected String address;

protected String phoneNo;

public Customer(String customerId, String address, String phoneNo) {

this.customerId = customerId;

this.address = address;

this.phoneNo = phoneNo;

}

@Override

public String toString() {

return "\nCustomer ID: " + customerId + "\nAddress: " + address + "\nPhone No: " + phoneNo;

}

}

**package2**

package customer.typeofcustomer;

import customer.Customer;

public class PrivilegedCustomer extends Customer {

public String CustName;

public PrivilegedCustomer(String customerId, String address, String phoneNo, String name) {

super(customerId, address, phoneNo);

this.CustName=name;

}

@Override

public String toString() {

return "Customer Name: "+ CustName + super.toString();

}

}

**Packages3:**

package purchase;

import customer.typeofcustomer.PrivilegedCustomer;

public class PurchaseBill {

private String billId;

private PrivilegedCustomer customer;

private double discount;

public PurchaseBill(String billId, PrivilegedCustomer customer, double discount) {

this.billId = billId;

this.customer = customer;

this.discount = discount;

}

public void calculateBillAmount(double amount) {

double final\_amt=amount-(amount\*discount/100);

System.out.println("\nBill Amount is: "+ final\_amt);

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

@Override

public String toString() {

return "Bill ID: " + billId + "\n" + customer.toString() + "\nDiscount: " + discount;

}

}

**Main file to run(CustomerBill.java):**

import customer.Customer;

import customer.typeofcustomer.PrivilegedCustomer;

import purchase.PurchaseBill;

public class CustomerBill {

public static void main(String[] args) {

PrivilegedCustomer regularCustomer = new PrivilegedCustomer("RC1001",

"At: Gandhi nagar, Mumbai 415502",

"4545858596 8594784520",

"Jenny");

PurchaseBill bill = new PurchaseBill("B4001", regularCustomer, 10.0d);

System.out.println("Bill details:\n" + bill.toString());

bill.calculateBillAmount(5000.50d);

}

}

/\* Output:

PS C:\Users\bhoir\OneDrive\Desktop\Info\_> javac CustomerBill.java

PS C:\Users\bhoir\OneDrive\Desktop\Info\_> java CustomerBill

Bill details:

Bill ID: B4001

Customer Name: Jenny

Customer ID: RC1001

Address: At: Gandhi nagar, Mumbai 415502

Phone No: 4545858596 8594784520

Discount: 10.0

Bill Amount is: 4500.45

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