Q1) Create a class Customer with the following specifications

Private Members:

Customer_no ,
Customer_name, Qty , Price,TotalPrice, Discount,Netprice.

Methods: Public members:

1. A parameterized constructor
to assign initial

2. Input( ) – to read data
members. Call Caldiscount().

3. Caldiscount ( ) – To
calculate Discount according to TotalPrice and NetPrice

TotalPrice = Price*Qty
TotalPrice >=50000 – Discount 25% of TotalPrice

TotalPrice >=25000 - Discount 10% of TotalPrice
Netprice=TotalPrice-Discount

4.
Show( ) – to display Customer details.

Develop a Java program to accept details of n
customers, calculate the discounts given to them and print their complete
details.

CODE:

```java
import java.util.Scanner;
class Customer
{
    Scanner ss = new Scanner(System.in);
    private int customerNo;
    private String customerName=new String();
    private int qty;
    private double price;
    private double totalPrice;
    private double discount;
    private double netPrice;

    public Customer()
    {}
```

```java
    public Customer(int customerNo,String customerName,int qty,double price)
    {
        this.customerNo = customerNo;
        this.customerName = customerName;
        this.qty = qty;
        this.price = price;
    }
    public void input()
    {
        System.out.println("enter the value for customerNo");
        customerNo = ss.nextInt();
        System.out.println("enter the value for customerName");
        customerName = ss.next();
        System.out.println("enter the value for qty");
        qty = ss.nextInt();
        System.out.println("enter the value for price");
        price = ss.nextDouble();

    }
    public void caldiscount()
    {
        totalPrice = price*qty;
        if(totalPrice>=50000)
        {
            discount = (0.25)*totalPrice;
        }
        else if (totalPrice>=25000)
        {
            discount = 0.1*totalPrice;
        }
        netPrice = totalPrice - discount;

    }
    public void show()
    {
        System.out.println("Customer details are :");
        System.out.println("CUSTOMER NAME :"+customerName);
        System.out.println("CUSTOMER NO :"+customerNo);
        System.out.println("QUANTITY   :"+qty);
        System.out.println("PRICE   :"+price);
        System.out.println("NET PRICE   :"+netPrice);
        System.out.println("DISCOUNT :"+discount);
    }

}

class Main
```

```java
{
    public static void main(String xx[])
    {
        Scanner ss = new Scanner(System.in);
        int n;
        System.out.println("enter number of customers");
        n=ss.nextInt();
        Customer c[]=new Customer[n];
        for(int i=0;i<n;i++)
        {
            c[i]=new Customer();
            c[i].input();
            c[i].caldiscount();
            c[i].show();
        }


    }
}
```

OUTPUT:

```
C:\Users\Anagha\Desktop\OOJ\Lab6>java Main
enter number of customers
2
enter the value for customerNo
1
enter the value for customerName
Anagha
enter the value for qty
10
enter the value for price
500
Customer details are :
CUSTOMER NAME  :Anagha
CUSTOMER NO :1
QUANTITY   :10
PRICE   :500.0
NET PRICE   :5000.0
DISCOUNT :0.0
enter the value for customerNo
2
enter the value for customerName
Savita
enter the value for qty
30
enter the value for price
1000
Customer details are :
CUSTOMER NAME  :Savita
CUSTOMER NO :2
QUANTITY   :30
PRICE   :1000.0
NET PRICE   :27000.0
DISCOUNT :3000.0
```