# Week 6:

1.      Create a class Customer with the following specifications.

**Private Members :**
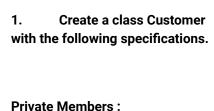
        Customer_no , Customer_name,  Qty ,  Price, TotalPrice, Discount, Netprice.

 **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.**

```java
import java.util.Scanner;
class Customer
{
        Scanner x = new Scanner(System.in);
        private int customer_no,qty;
        private double price,tot_price,discount,netprice;
        private String customer_name;
        Customer(int number)
        {
                this.customer_no = number;
        }

        public void Input()
        {
                System.out.println("Enter name:");
                this.customer_name = x.next();
                System.out.println("Enter quantity:");
                this.qty = x.nextInt();
                System.out.println("Enter price:");
                this.price = x.nextFloat();
        }

        public void Caldiscount()
        {
                this.tot_price = this.qty*this.price;
                if(this.tot_price>=50000)
```

```java
        {
                this.netprice = this.tot_price*(1-0.25);
        }
        else if(this.tot_price>=25000)
        {
                this.netprice = this.tot_price*(1-0.1);
        }
        else
        {
                this.netprice = this.tot_price;
        }
    }

    public void Show()
    {
        System.out.println("Name of customer:"+this.customer_name);
        System.out.println("Number of customer:"+this.customer_no);
        System.out.println("Price:"+this.price);
        System.out.println("Quantity:"+this.qty);
        System.out.println("Total price:"+this.tot_price);
        System.out.println("Net Price:"+this.netprice);

    }
}

class Cust_main
{
    public static void main(String args[])
    {
        Scanner x = new Scanner(System.in);
        int number;
        Customer[] cust_arr = new Customer[2];
        for(int i=0; i<2; i++)
        {
                System.out.println("Enter number:");
                number = x.nextInt();
                cust_arr[i] = new Customer(number);
        }

        for(int i=0; i<2; i++)
```

```
        {
                cust_arr[i].Input();
                cust_arr[i].Caldiscount();
                cust_arr[i].Show();
                System.out.println("-----------------------------------------");
        }
    }
}
```