

Code:

```
import java.util.*;

public class lab1_ex_03
{
    private static double[] r_item;
    private static int[] quan;
    private static int item;
    public static void read()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of item");
        item=sc.nextInt();
        r_item=new double[item];
        quan=new int[item];
        System.out.println("Enter the Rate Per Item of "+ item +"items ");
        for(int i=0;i<item;i++)
        {
            System.out.println("Enter the per item cost of item: " + (i+1));
            r_item[i]=sc.nextDouble();
        }
        System.out.println("Enter the Number Of Item purchased ");
        for(int i=0;i<item;i++)
        {
            System.out.println("Enter The Quantity Of item: " + (i+1) + " Purchased ");
            quan[i]=sc.nextInt();
        }
    }
    public static double calc()
    {
        read();
        double bill=0;
```

```
double disc;
for(int i=0;i<item;i++)
{
    System.out.println(quan[i]);
    bill+=r_item[i]*quan[i];
}
System.out.println("Total Bill Without Discount is " + bill);
if(bill>=10000)
{
    disc=((5*bill)/(100));
    System.out.println("Discount Given is " + disc);
    bill=bill-disc;
    return bill;
}
if(bill>=7500&&bill<10000)
{
    disc=((3*bill)/(100));
    System.out.println("Discount given is " + disc);
    bill=bill-disc;
    return bill;
}
if(bill>=5000&&bill<7500)
{
    disc=((2*bill)/(100));
    System.out.println("Discount given is " + disc);
    bill=bill-disc;
    return bill;
}
System.out.println("Sorry No Discount Can Be Given");
return bill;
```

```

    }

    public static void main(String[] args)
    {
        double bill=calc();

        System.out.println("Final Bill Amount After Discount is " + bill);
    }

}

```

Output:

```

0
Total Positive Number in the array= 2
Total Negative Number in the neagitive array= 1
Total Zeroes In The Array 2

c:\00J-lab-programs>java lab1_ex_03
Enter the number of item
3
Enter the Rate Per Item of 3items
Enter the per item cost of item: 1
500
Enter the per item cost of item: 2
6000
Enter the per item cost of item: 3
9000
Enter the Number Of Item purchased
Enter The Quantity Of item: 1 Purchased
2
Enter The Quantity Of item: 2 Purchased
3
Enter The Quantity Of item: 3 Purchased
5
2
3
5
Total Bill Without Discount is 64000.0
Discount Given is 3200.0
Final Bill Amount After Discount is 60800.0

c:\00J-lab-programs>_

```