```java
import java.util.*;
public class practice3
{

    public static void main (String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter the number of times");
        int x = sc.nextInt();
        int i;
        double rate[] = new double[x];
        int qty[] = new int[x];
        double bill=0.0,fbill;
        for(i=0;i<x;i++)
        {
            System.out.println("enter the rate of item "+(i+1));
            rate[i] = sc.nextDouble();
            System.out.println("enter the quantity of item "+(i+1));
            qty[i] = sc.nextInt();
            bill= bill + (rate[i]*qty[i]);
        }
        if(bill>=10000)
        fbill = 0.95*bill;
        else if(bill>=7500 && bill<10000)
        fbill= 0.97*bill;
        else
        fbill = 0.98*bill;
        System.out.println("Total bill is "+bill);
        System.out.println("Final bill after discount is "+fbill);


    }
}
```

```
enter the number of times
3
enter the rate of item 1
4
enter the quantity of item 1
10
enter the rate of item 2
2
enter the quantity of item 2
7
enter the rate of item 3
1.5
enter the quantity of item 3
10
Total bill is 69.0
Final bill after discount is 67.62


--------------------

(program exited with code: 0)
Press return to continue
```

```java
import java.util.*;

public class practice2
{

    public static void main (String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter the length of array");
        int n = sc.nextInt();
        int a[] = new int[n];
        int i,sp=0,sn=0,sz=0;
        System.out.println("enter the array elements");
        for(i=0;i<n;i++)
        {
            a[i] =sc.nextInt();
            if(a[i]<0)
            sn++;
            else if(a[i]>0)
            sp++;
            else
            sz++;
        }
        System.out.println("Number of positive numbers is "+sp);
        System.out.println("Number of negative numbers is "+sn);
        System.out.println("Number of zeroes is "+sz);
    }
}
```

```
enter the length of array
4
enter the array elements
2
2
-3
0
Number of positive numbers is 2
Number of negative numbers is 1
Number of zeroes is 1

_____

(program exited with code: 0)
Press return to continue
```

```java
import java.util.*;
public class practice1
{

    public static void main (String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter the length of array");
        int n = sc.nextInt();
        int a[] = new int[n];
        int i,so=0,se=0;
        System.out.println("enter the array elements");
        for(i=0;i<n;i++)
        {
            a[i] =sc.nextInt();
            if(i%2==0)
            se=se+a[i];
            else so= so+a[i];

        }
        System.out.println("Sum of elements of even indices is "+se);
        System.out.println("Sum of elements of odd indices is "+so);


    }
}
```

```
enter the length of array
4
enter the array elements
2
0
0
-3
Sum of elements of even indices is 2
Sum of elements of odd indices is -3


_____

(program exited with code: 0)
Press return to continue
```