

```

5 import java.util.Scanner;
6
7 class posneg{
8     public static void main(String[] args){
9         int n,i,j,k,countpos=0,countneg=0,countzero=0;
10        Scanner sc = new Scanner(System.in);
11        System.out.print("How many elements?: ");
12        n = sc.nextInt();
13        double[] a = new double[n];
14        for(i=0;i<n;i++){
15            System.out.print("Enter value "+(i+1)+" : ");
16            a[i] = sc.nextDouble();
17            if(a[i] > 0)
18                countpos++;
19            if(a[i] < 0)
20                countneg++;
21            if(a[i] == 0)
22                countzero++;
23        }
24        System.out.println("\nNo of pos values: "+countpos+" No of neg values: "+countneg+" No of zeroes: "+countzero);
25        double[] pos = new double[countpos];
26        double[] neg = new double[countneg];
27        for(k=0,i=0,j=0;k<n;k++){
28            if(a[k]>0){
29                pos[i] = a[k];
30                i++;
31            }
32            else if(a[k]<0){
33                neg[j] = a[k];
34                j++;
35            }
36        }
37        System.out.println("The pos array is as follows:");
38        for(i=0;i<countpos;i++){
39            System.out.print(pos[i]+" ");
40        }
41        System.out.println("The neg array is as follows:");
42        for(i=0;i<countneg;i++){
43            System.out.print(neg[i]+" ");
44        }
45    }
}

```

Output:

```

Process started (PID=38700) >>>
How many elements?: 5
Enter value 1: 1
Enter value 2: -6
Enter value 3: -3
Enter value 4: 2
Enter value 5: 0

No of pos values: 2 No of neg values: 2 No of zeroes: 1
The pos array is as follows:
1.0      2.0
The neg array is as follows:
-6.0     -3.0     <<< Process finished (PID=38700). (Exit code 0)
===== READY =====

```