

Week6_5.java

```
1  package com.company;
2
3  import java.util.Scanner;
4
5  public class Week6_5 {
6      Scanner s=new Scanner(System.in);
7
8      int input_n(){
9          int n;
10         System.out.println("Enter n:");
11         n=s.nextInt();
12         return n;
13     }
14
15     void accept_array(int n,double[] full){
16         int i;
17         for (i=0;i<n;i++){
18             System.out.printf("full[%d]=\n",i);
19             full[i]=s.nextDouble();
20         }
21     }
22
23     int positive_array(int n,double[] full,double[] pos){
24         int i,j=0,cp=0;
25         for (i=0;i<n;i++){
26             if (full[i]>0){
27                 pos[j++]=full[i];
28                 cp++;
29             }
30         }
31         return cp;
32     }
33 }
```



```

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28  int negative_array(int n, double[] full, double[] neg){
29      int i, j=0, cn=0;
30      for (i=0; i<n; i++){
31          if (full[i]<0){
32              neg[j++]=full[i];
33              cn++;
34          }
35      }
36      return cn;
37  }
38  public static void main(String[] args){
39      Scanner s=new Scanner(System.in);
40      Week6_5 w=new Week6_5();
41      int n, cp, cn;
42      n=w.input_n();
43      double[] full=new double[n];
44      double[] pos=new double[n];
45      double[] neg=new double[n];
46      w.accept_array(n, full);
47      cp=w.positive_array(n, full, pos);
48      cn=w.negative_array(n, full, neg);
49      System.out.println("The number of positives="+cp);
50      System.out.println("The number of negatives="+cn);
51      System.out.println("The number of zeroes="+n-cp-cn);
52  }
53  }
54

```



```
Week6_5.java x
Run: Week6_5 x
"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...
Enter n:
5
full[0]=
0
full[1]=
-1
full[2]=
2
full[3]=
3
full[4]=
-6
The number of positives=2
The number of negatives=2
The number of zeroes=1

Process finished with exit code 0
```