



Dash



Articles



Videos



Problems

&lt;&lt; Prev

Next &gt;&gt;

&lt;/&gt; Problem

Editorial

Submissions

## Smallest Positive Missing Number

Difficulty: **Medium**Accuracy: **25.13%**Submissions: **383K+**Points: **4**

You are given an integer array **arr[]**. Your task is to find the **smallest positive number** missing from the array.

Note: Positive number starts from 1. The array can have negative integers too.

### Examples:

**Input:** arr[] = [2, -3, 4, 1, 1, 7]

**Output:** 3

**Explanation:** Smallest positive missing number is 3.

**Input:** arr[] = [5, 3, 2, 5, 1]

**Output:** 4

**Explanation:** Smallest positive missing number is 4.

**Input:** arr[] = [-8, 0, -1, -4, -3]

**Output:** 1

**Explanation:** Smallest positive missing number is 1.

Java (1.8)

Start Timer



```
1 // } Driver Code Ends
38
39 class Solution {
40     public int missingNumber(int[] arr) {
41         int n = arr.length;
42         for (int i = 0; i < n; i++) {
43             while (arr[i] > 0 && arr[i] <= n && arr[arr[i] - 1] != arr[i]) {
44                 int correctIndex = arr[i] - 1;
45                 int temp = arr[i];
46                 arr[i] = arr[correctIndex];
47                 arr[correctIndex] = temp;
48             }
49         }
50         for (int i = 0; i < n; i++) {
51             if (arr[i] != i + 1) {
52                 return i + 1;
53             }
54         }
55         return n + 1;
56     }
57 }
58
59
```



Custom Input

Compile &amp; Run

Submit