Problem | Editorial | Submissions

Union of Arrays with Duplicates

Difficulty: **Easy** Accuracy: **42.22%** Submissions: **414K+** Points: **2**

Given two arrays **a[]** and **b[]**, the task is to find the number of elements in the union between these two arrays.

The Union of the two arrays can be defined as the set containing distinct elements from both arrays. If there are repetitions, then only one element occurrence should be there in the union.

Note: Elements of **a**[] and **b**[] are not necessarily distinct.

Examples

Input: a[] = [1, 2, 3, 4, 5], b[] = [1, 2, 3]
Output: 5
Explanation: Union set of both the arrays will be 1, 2, 3, 4 and 5. So count is 5.

Input: a[] = [85, 25, 1, 32, 54, 6], b[] = [85, 2]
Output: 7
Explanation: Union set of both the arrays will be 85, 25, 1, 32, 54, 6, and 2. So count is 7.

Java (1.8) | Average Time: 10m | Start Timer

```
1  // } Driver Code Ends
42 class Solution {
43     public static int findUnion(int a[], int b[]) {
44         HashSet<Integer> unionSet = new HashSet<>();
45         for (int num : a) {
46             unionSet.add(num);
47         }
48         for (int num : b) {
49             unionSet.add(num);
50         }
51         return unionSet.size();
52     }
53 }
```

Custom Input | Compile & Run | Submit