**Union of two arrays**

Given two arrays **a[]** and **b[]** of size **n** and **m** respectively. The task is to find union between these two arrays.

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

**Example 1:**

**Input:**

5 3

1 2 3 4 5

1 2 3

**Output:**

5

**Explanation:**

1, 2, 3, 4 and 5 are the

elements which comes in the union set

of both arrays. So count is 5.

**Example 2:**

**Input:**

6 2

85 25 1 32 54 6

85 2

**Output:**

7

**Explanation:**

85, 25, 1, 32, 54, 6, and

2 are the elements which comes in the

union set of both arrays. So count is 7.

**Your Task:**  
Complete **doUnion**funciton that takes**a, n, b, m as parameters and returns** the count of union elements of the two arrays. The **printing**is done by the **driver**code.

**Constraints:**  
1 ≤ n, m ≤ 105  
0 ≤ a[i], b[i] < 105

**Elements are not necessarily distinct.**

**Expected Time Complexity**: O((n+m)log(n+m))  
**Expected Auxilliary Space** : O(n+m)