PROBLEM

Union of Two Sorted Arrays

Medium Accuracy: 31.39% Submissions: 194K+ Points: 4

Given two sorted arrays of size **n** and **m** respectively, find their union. The Union of two arrays can be defined as the **common** and **distinct** elements in the two arrays. Return the elements in **sorted** order.

Example 1:

Input:
n = 5, arr1[] = {1, 2, 3, 4, 5}
m = 5, arr2 [] = {1, 2, 3, 6, 7}
Output:
1 2 3 4 5 6 7
Explanation:
Distinct elements including both the arrays are: 1 2 3 4 5 6 7.

Example 2:

Input:
n = 5, arr1[] = {2, 2, 3, 4, 5}
m = 5, arr2[] = {1, 1, 2, 3, 4}
Output:
1 2 3 4 5
Explanation:
Distinct elements including both the arrays are: 1 2 3 4 5.

Example 3:

Input:
n = 5, arr1[] = {1, 1, 1, 1, 1}
m = 5, arr2[] = {2, 2, 2, 2, 2}
Output:
1 2
Explanation:
Distinct elements including both the arrays are: 1 2.

Your Task:
You do not need to read input or print anything. Complete the function **findUnion()** that takes two arrays **arr1[]**, **arr2[]**, and their size **n** and **m** as input parameters and returns a list containing the **union of the two arrays**.

Expected Time Complexity: O(n+m).
Expected Auxiliary Space: O(n+m).

Constraints:
$1 <= n, m <= 10^5$
$-10^9 <= arr1[i], arr2[i] <= 10^9$

CODE

```
#User function Template for python3


class Solution:


    #Function to return a list containing the union of the two arrays.
    def findUnion(self,arr1,arr2,n,m):
        return sorted(list(set(a+b)))
        '''
        :param a: given sorted array a
        :param n: size of sorted array a
        :param b: given sorted array b
        :param m: size of sorted array b
        :return:  The union of both arrays as a list
        '''
        # code here
```