

## 349. Intersection of Two Arrays

Easy

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Given two arrays, write a function to compute their intersection.

**Example 1:**

**Input:** nums1 = [1,2,2,1], nums2 = [2,2]

**Output:** [2]

**Example 2:**

**Input:** nums1 = [4,9,5], nums2 = [9,4,9,8,4]

**Output:** [9,4]

**Note:**

- Each element in the result must be unique.
- The result can be in any order.

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Seen this question in a real interview before?

Yes

No

Contributor



```

5 public class L349 {
6     /*
7      * 主要问题是要记住去重
8      */
9     public int[] intersection(int[] nums1, int[] nums2) {
10         if(nums1 == null || nums2 == null)
11             return null;
12
13         HashSet<Integer> hashSet = new HashSet<Integer>();
14         HashSet<Integer> hashSet2 = new HashSet<Integer>();
15
16         for(int i = 0; i < nums1.length; i++) {
17             if(! hashSet.contains(nums1[i])) {
18                 hashSet.add(nums1[i]);
19             }
20         }
21
22         for(int j = 0; j < nums2.length; j++) {
23             if(hashSet.contains(nums2[j])) {
24                 hashSet2.add(nums2[j]);
25             }
26         }
27
28         int [] result = new int [hashSet2.size()];
29         int index = 0;
30         for (int i : hashSet2) {
31             result[index++] = i;
32         }
33
34         return result;
35     }
36 }

```