

349. Intersection of Two Arrays

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Given two integer arrays `nums1` and `nums2`, return *an array of their intersection*. Each element in the result must be **unique** and you may return the result in **any order**.

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]`
Explanation: `[4,9]` is also accepted.

Constraints:

- `1 <= nums1.length, nums2.length <= 1000`
- `0 <= nums1[i], nums2[i] <= 1000`

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```
1 class Solution:
2     def intersection(self, nums1: List[int], nums2: List[int]) -> List[int]:
3
4         set1 = set(nums1)
5         set2 = set(nums2)
6
7         set3 = set1.intersection(set2)
8
9         res = list([x for x in set3])
10
11        return(res)
```

Testcase Run Code Result Debugger

Accepted Runtime: 47 ms

Your input [1,2,2,1]
[2,2]

Output [2]

Expected [2]

Diff