

Problem 349: Intersection of Two Arrays

Problem Information

Difficulty: Easy

Acceptance Rate: 77.12%

Paid Only: No

Tags: Array, Hash Table, Two Pointers, Binary Search, Sorting

Problem Description

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`

Code Snippets

C++:

```
class Solution {
public:
    vector<int> intersection(vector<int>& nums1, vector<int>& nums2) {
    }
```

```
};
```

Java:

```
class Solution {  
    public int[] intersection(int[] nums1, int[] nums2) {  
        }  
        }  
}
```

Python3:

```
class Solution:  
    def intersection(self, nums1: List[int], nums2: List[int]) -> List[int]:
```