**[Intersection of Two Arrays](https://leetcode.com/problems/intersection-of-two-arrays/)**

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
* class Solution {
* public:
* vector<int> intersection(vector<int>& nums1, vector<int>& nums2) {
* std::unordered\_set<int> set1(nums1.begin(), nums1.end());
* std::unordered\_set<int> set2(nums2.begin(), nums2.end());
* std::vector<int> result;
* for (const auto& num : set1) {
* if (set2.find(num) != set2.end()) {
* result.push\_back(num);
* }
* }
* return result;
* }
* };

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