[LeetCode](https://leetcode.com/problems/intersection-of-two-arrays/description/?envType=daily-question&envId=2024-03-10)

<https://github.com/AdityaKonda6/-50DaysOfCoding>

<https://leetcode.com/problems/intersection-of-two-arrays/description/?envType=daily-question&envId=2024-03-10>

<https://www.linkedin.com/in/aditya-adi-konda/>

Day 20 of [#50dayscodingchallenge](https://www.linkedin.com/feed/hashtag/?keywords=50dayscodingchallenge&highlightedUpdateUrns=urn:li:activity:7166316239483461633):  
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Just kicked off my coding journey with a fascinating problem - "Successfully solved LeetCode Problem “349. Intersection Of Two Arrays” !”  
   
✨ Task: 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.

Examples:

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.

Let's Connect:

If you find this problem intriguing or have insights to share, let's connect! I'm passionate about problem-solving, algorithmic thinking, and collaborative learning. Feel free to comment or reach out for engaging discussions and knowledge exchange.Unravel the mystery using your coding skills!

[#CodingChallenge](https://www.linkedin.com/feed/hashtag/?keywords=codingchallenge&highlightedUpdateUrns=urn:li:activity:7166316239483461633) [#Algorithm](https://www.linkedin.com/feed/hashtag/?keywords=algorithm&highlightedUpdateUrns=urn:li:activity:7166316239483461633) [#LinkedInPost](https://www.linkedin.com/feed/hashtag/?keywords=linkedinpost&highlightedUpdateUrns=urn:li:activity:7166316239483461633) #Algorithm #Optimization #DataStructures #CodingChallenge  
  
Excited about the progress and challenges ahead!  
   
Make Sure You Follow My GitHub For Solutions: <https://github.com/AdityaKonda6/-50DaysOfCoding>  
  
  
Happy coding!

**Solution:-**

class Solution {

  public int[] intersection(int[] nums1, int[] nums2) {

    List<Integer> ans = new ArrayList<>();

    Set<Integer> set = Arrays.stream(nums1).boxed().collect(Collectors.toSet());

    for (final int num : nums2)

      if (set.remove(num))

        ans.add(num);

    return ans.stream().mapToInt(Integer::intValue).toArray();

  }

}

