

Problem 217: Contains Duplicate

Problem Information

Difficulty: Easy

Acceptance Rate: 63.75%

Paid Only: No

Tags: Array, Hash Table, Sorting

Problem Description

Given an integer array `nums`, return `true` if any value appears **at least twice** in the array, and return `false` if every element is distinct.

Example 1:

Input: `nums = [1,2,3,1]`

Output: `true`

Explanation:

The element 1 occurs at the indices 0 and 3.

Example 2:

Input: `nums = [1,2,3,4]`

Output: `false`

Explanation:

All elements are distinct.

Example 3:

****Input:**** nums = [1,1,1,3,3,4,3,2,4,2]

****Output:**** true

****Constraints:****

*`1 <= nums.length <= 105` *`-109 <= nums[i] <= 109`

Code Snippets

C++:

```
class Solution {  
public:  
    bool containsDuplicate(vector<int>& nums) {  
  
    }  
};
```

Java:

```
class Solution {  
    public boolean containsDuplicate(int[] nums) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def containsDuplicate(self, nums: List[int]) -> bool:
```