

217. Contains Duplicate

🕒 Created	@January 29, 2022 3:02 PM
▼ Difficulty	Easy
≡ LC Url	https://leetcode.com/problems/contains-duplicate/
▼ Importance	
:≡ Tag	
≡ Video	https://www.youtube.com/watch?v=xEXqi7mwPCI&list=PL2rWx9cCzU85RX9NeRMVUV_kgI4YGKURD&index=54

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
```

Example 2:

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

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`

Solution

```
class Solution:
    def containsDuplicate(self, nums: List[int]) -> bool:
        nums.sort()
        for i in range(len(nums)-1):
            if nums[i] == nums[i+1]:
                return True
        return False
```

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

        for n in nums:
            if n in hashset:
                return True
            hashset.add(n)
        return False
```