

Contains duplicate - easy

217. Contains Duplicate

Easy

Topics



Companies

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`

```
//brute-force
class Solution {
    public boolean containsDuplicate(int[] nums) {
        for(int i = 0; i < nums.length; i++){
            for(int j = i+1; j < nums.length; j++){
```

```
        if(nums[i] == nums[j]){
            return true;
        }
    }
    return false;
}
}
```

```
//hash set
class Solution {
    public boolean containsDuplicate(int[] nums) {
        HashSet<Integer> seen = new HashSet<>();

        for(int i = 0; i < nums.length; i++){
            if(seen.contains(nums[i])){
                return true;
            }
            seen.add(nums[i]);
        }
        return false;
    }
}
```