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## 219. Contains Duplicate II

Easy



5.3K

2.8K



Companies

Given an integer array `nums` and an integer `k`, return `true` if there are two **distinct indices** `i` and `j` in the array such that `nums[i] == nums[j]` and `abs(i - j) <= k`.

### Example 1:

**Input:** `nums = [1,2,3,1], k = 3`**Output:** `true`

### Example 2:

**Input:** `nums = [1,0,1,1], k = 1`**Output:** `true`

### Example 3:

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

### Constraints:

- $1 \leq \text{nums.length} \leq 10^5$
- $-10^9 \leq \text{nums}[i] \leq 10^9$

i Java | • Auto

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```
1 public boolean containsNearbyDuplicate(int[] nums, int k) {  
2     HashMap<Integer, Integer> cache = new HashMap<>();  
3     int length = nums.length;  
4     for (int i = 0; i < length; i++) {  
5         Integer prev = cache.put(nums[i], i);  
6         if (prev != null && i - prev <= k) {  
7             return true;  
8         }  
9     }  
10    return false;  
11 }  
12 }  
13 }
```

Testcase

Result

Accepted Runtime: 0 ms

• Case 1

• Case 2

• Case 3

Input

nums =

[1,2,3,1]

k =

3

Output

true


Console




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## 215. Kth Largest Element in an Array

Medium  15.4K 728  

 Companies

Given an integer array `nums` and an integer `k`, return the  $k^{\text{th}}$  largest element in the array.

Note that it is the  $k^{\text{th}}$  largest element in the sorted order, not the  $k^{\text{th}}$  distinct element.

Can you solve it without sorting?

### Example 1:

**Input:** `nums = [3,2,1,5,6,4]`, `k = 2`  
**Output:** 5

### Example 2:

**Input:** `nums = [3,2,3,1,2,4,5,5,6]`, `k = 4`  
**Output:** 4

### Constraints:

- $1 \leq k \leq \text{nums.length} \leq 10^5$
- $-10^4 \leq \text{nums}[i] \leq 10^4$

i Java Auto

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```
class Solution {
    public int findKthLargest(int[] nums, int k) {
        PriorityQueue<Integer> p = new PriorityQueue<>();
        for (int x : nums) {
            p.offer(x);
            if (p.size() > k) {
                p.poll();
            }
        }
        return p.peek();
    }
}
```

Testcase Result

**Accepted** Runtime: 0 ms

• Case 1 • Case 2

Input

`nums =`  
`[3,2,1,5,6,4]`

`k =`  
`2`

Output

`5`

Console



Run

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