

# 2229. Check if an Array Is Consecutive Premium

Easy Topics Hint

Given an integer array `nums`, return `true` if `nums` is *consecutive*, otherwise return `false`.

An array is **consecutive** if it contains every number in the range `[x, x + n - 1]` (**inclusive**), where `x` is the minimum number in the array and `n` is the length of the array.

### Example 1:

**Input:** `nums = [1,3,4,2]`  
**Output:** `true`  
**Explanation:**  
The minimum value is 1 and the length of `nums` is 4.  
All of the values in the range `[x, x + n - 1] = [1, 1 + 4 - 1] = [1, 4] = (1, 2, 3, 4)` occur in `nums`.  
Therefore, `nums` is consecutive.

### Example 2:

**Input:** `nums = [1,3]`  
**Output:** `false`  
**Explanation:**  
The minimum value is 1 and the length of `nums` is 2.  
The value 2 in the range `[x, x + n - 1] = [1, 1 + 2 - 1], = [1, 2] = (1, 2)` does not occur in `nums`.  
Therefore, `nums` is not consecutive.

### Example 3:

**Input:** `nums = [3,5,4]`  
**Output:** `true`  
**Explanation:**  
The minimum value is 3 and the length of `nums` is 3.  
All of the values in the range `[x, x + n - 1] = [3, 3 + 3 - 1] = [3, 5] = (3, 4, 5)` occur in `nums`.  
Therefore, `nums` is consecutive.

### Constraints:

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

Seen this question in a real interview before? 1/5

Yes No

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Topics

ArrayHash TableSorting

Hint 1

Try sorting `nums`.

Hint 2

If `nums` is consecutive and sorted in ascending order, then `nums[i] + 1 = nums[i + 1]` for every `i` in the range `0 ≤ i < nums.length - 1`.

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