Given an integer array nums and an integer k, return *the* k *most frequent elements*. You may return the answer in **any order**.

**Example 1:**

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

**Example 2:**

Input: nums = [1], k = 1  
Output: [1]

**Constraints:**

* 1 <= nums.length <= 105
* -104 <= nums[i] <= 104
* k is in the range [1, the number of unique elements in the array].
* It is **guaranteed** that the answer is **unique**.

**Follow up:** Your algorithm's time complexity must be better than O(n log n), where n is the array's size.