

347. Top K Frequent Elements

Difficulty : Medium

<https://leetcode.com/problems/top-k-frequent-elements>

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:

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