

Description
 Solution
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### 1636. Sort Array by Increasing Frequency

Easy
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Given an array of integers `nums`, sort the array in **increasing** order based on the frequency of the values. If multiple values have the same frequency, sort them in **decreasing** order.

Return the *sorted array*.

**Example 1:**

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

**Output:** `[3,1,1,2,2,2]`

**Explanation:** '3' has a frequency of 1, '1' has a frequency of 2, and '2' has a frequency of 3.

**Example 2:**

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

**Output:** `[1,3,3,2,2]`

**Explanation:** '2' and '3' both have a frequency of 2, so they are sorted in decreasing order.

**Example 3:**

**Input:** `nums = [-1,1,-6,4,5,-6,1,4,1]`

**Output:** `[5,-1,4,4,-6,-6,1,1,1]`

**Constraints:**

- `1 <= nums.length <= 100`
- `-100 <= nums[i] <= 100`

Accepted: 28,784
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 1636/1955
 Next >

Python3
 Autocomplete

```

1 class Solution:
2     def frequencySort(self, nums: List[int]) -> List[int]:
3
4         r = Counter(nums)
5         return sorted(nums, key=lambda x: (r[x], -x))
6

```

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Testcase
 Run Code Result
 Debugger

Accepted
 Runtime: 37 ms

Your input
 [1,1,2,2,2,3]
 Output
 [3,1,1,2,2,2]
 Expected
 [3,1,1,2,2,2]

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