2420. Find All Good Indices

Description

You are given a **0-indexed** integer array `nums` of size `n` and a positive integer `k`.

We call an index `i` in the range `k <= i < n - k` **good** if the following conditions are satisfied:

- The `k` elements that are just **before** the index `i` are in **non-increasing** order.
- The `k` elements that are just **after** the index `i` are in **non-decreasing** order.

Return *an array of all good indices sorted in* **increasing** *order*.

Example 1:

```
Input: nums = [2,1,1,1,3,4,1], k = 2
Output: [2,3]
Explanation: There are two good indices in the array:
- Index 2. The subarray [2,1] is in non-increasing order, and the subarray [1,3] is in non-decreasing order.
- Index 3. The subarray [1,1] is in non-increasing order, and the subarray [3,4] is in non-decreasing order.
Note that the index 4 is not good because [4,1] is not non-decreasing.
```

Example 2:

```
Input: nums = [2,1,1,2], k = 2
Output: []
Explanation: There are no good indices in this array.
```

Constraints:

- `n == nums.length`
- $3 <= n <= 10^5$
- $1 <= nums[i] <= 10^6$
- `1 <= k <= n / 2`