**Problem #2200: Find All K-Distant Indices in an Array**

<https://leetcode.com/problems/find-all-k-distant-indices-in-an-array/description/>

**My Solution:**

1. Initialize keyList to an empty list.
2. Iterate through nums and if nums at index I is equal to the key, then append I to keyList.
3. Initialize res to an empty list.
4. Iterate through nums. If index of nums is less than keyList[0] and if the absolute difference of keyList[0] and I is less than or equal to k, then append I to res.

If index of nums is greater than the last element in keyList and if the absolute difference of the index and the last element of keyList is less than of equal to k, then append I to res. Otherwise, iterate with j through range of length of keyList. If the absolute difference between keyList[j] and index I is less than or equal to k, then append I to res and break from the inner for loop.

1. Return res sorted in ascending order.

class Solution:

def findKDistantIndices(self, nums: List[int], key: int, k: int) -> List[int]:

keyList = []

for i in range(len(nums)):

if nums[i] == key:

keyList.append(i)

res = []

for i in range(len(nums)):

if i <= keyList[0]:

if abs(keyList[0] - i) <= k:

res.append(i)

elif i >= keyList[-1]:

if abs(keyList[-1] - i) <= k:

res.append(i)

else:

for j in range(len(keyList)):

if abs(keyList[j] - i) <= k:

res.append(i)

break

return sorted(res)