#15 days Dsa Coding challenge

Day 7

#Leetcode 239

Sliding window Maximum

Solution:

class Solution {

public:

vector<int> maxSlidingWindow(vector<int>& nums, int k) {

int n=nums.size();

vector<int>res;

multiset<int>window;

for(int i=0;i<n;i++){

window.insert(nums[i]);

if(i>=k){

window.erase(window.find(nums[i-k]));

}

if(i>=k-1){

res.push\_back(\*window.rbegin());

}

}

return res;

}

};

Time Complexity:O(n)

Space Complexity:O(1)