Day 59

Code-

class Solution {

public:

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

multiset<int> kp;

int x=nums.size();

for(int i=0; i<k; i++)kp.insert(nums[i]);

if(k==x)return {\*--kp.end()};

vector<int> v;

int t=0;

v.push\_back(\*--kp.end());

for(int i=k; i<x; i++){

kp.insert(nums[i]); //will insert new element in the set

kp.erase(kp.find(nums[t++])); //erase the first element

//t++;

v.push\_back(\*--kp.end()); //pushing the largest element in the vector

}

return v;

}

};

};Time Complexity : O(n log(n))  
Space Complexity: O(n )

Graphical user interface, application

Description automatically generated