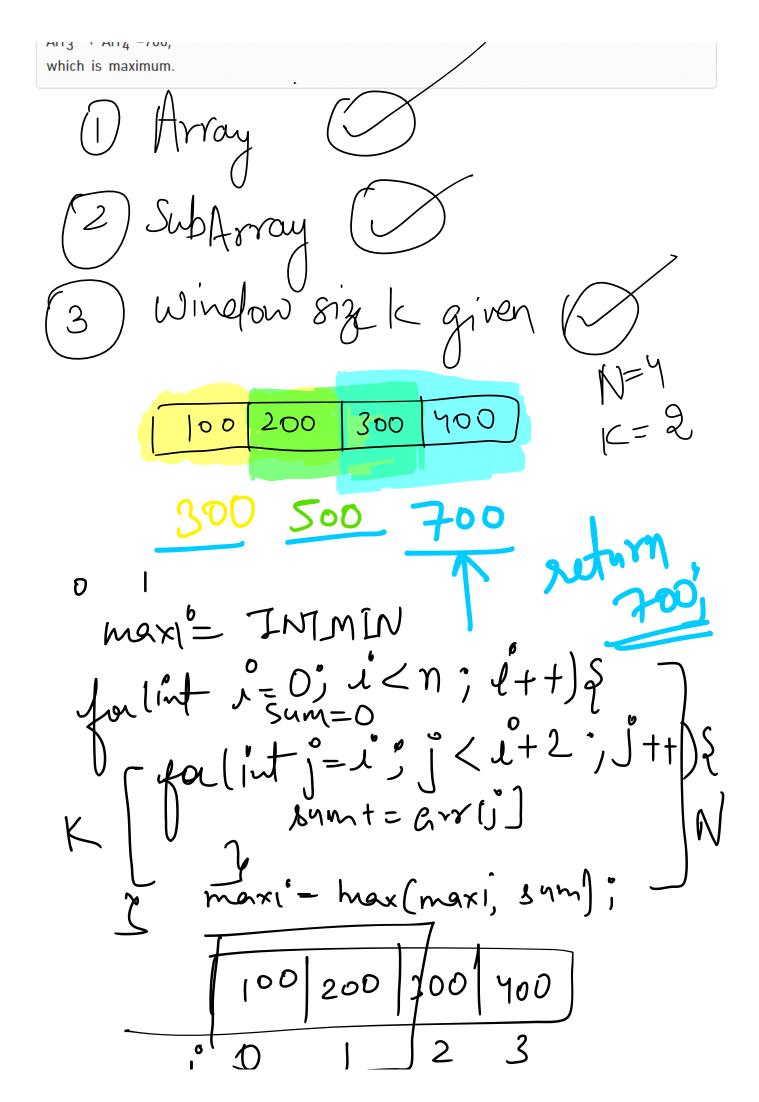
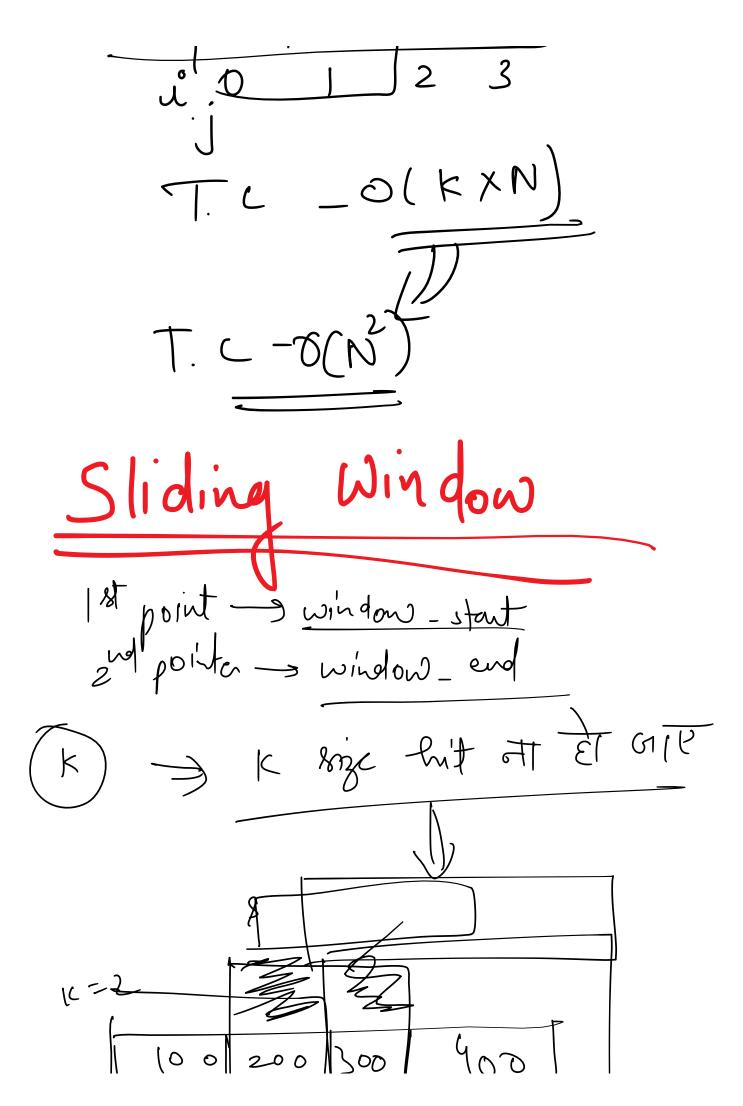


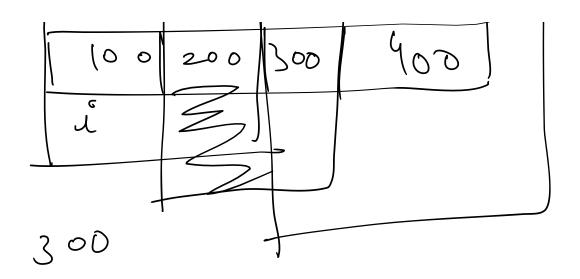
Given an array of integers Arr of size **N** and a number **K**. Return the maximum sum of a subarray of size K.

## Example 1:









$$\omega s = 0$$
 $\omega c = 0$ 

$$|w| = 2$$

$$|w| = 3$$

$$|w| = 3$$

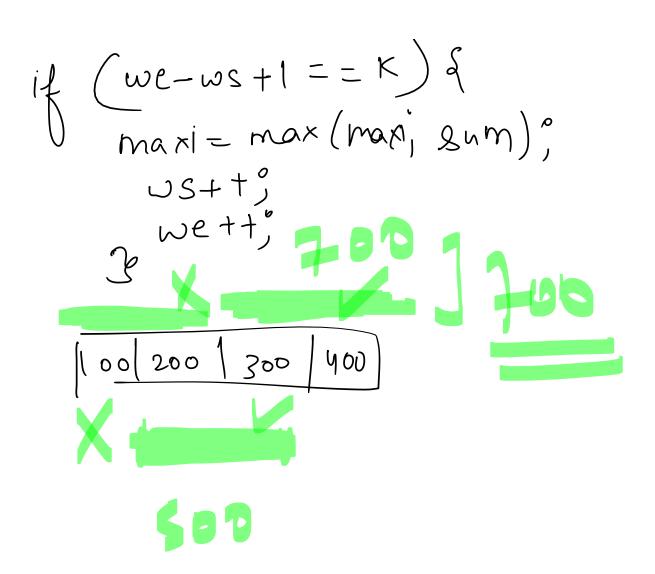
$$|w| = 4$$

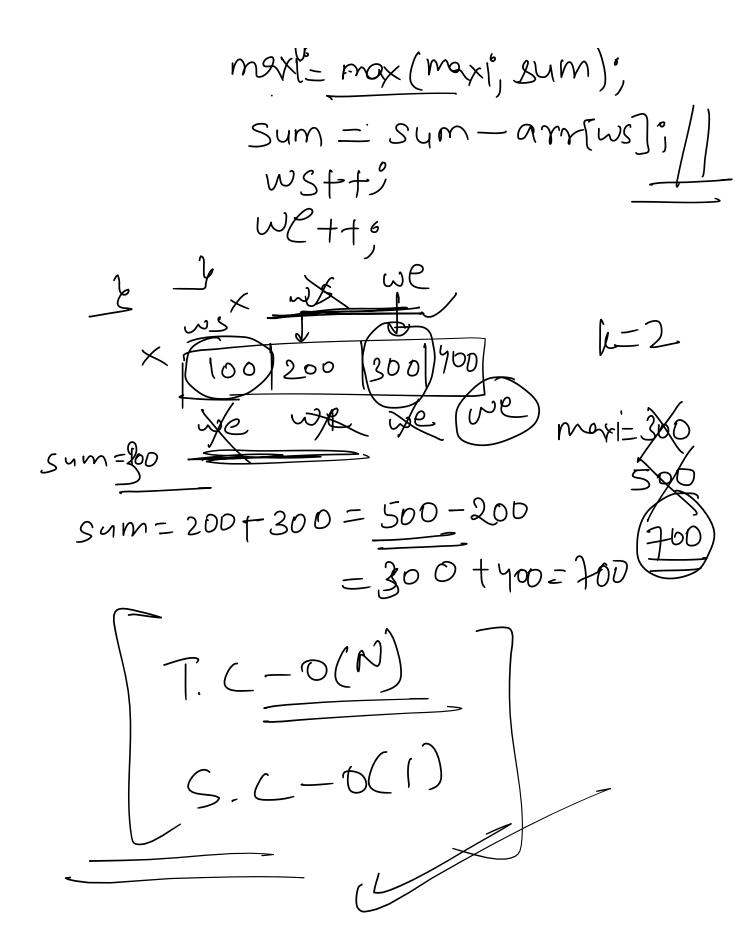
$$|w| = 3$$

$$|w| = 4$$

$$|w|$$

$$mexi = INT_mIN$$
 $il \quad (we-ws+1==K)$ 

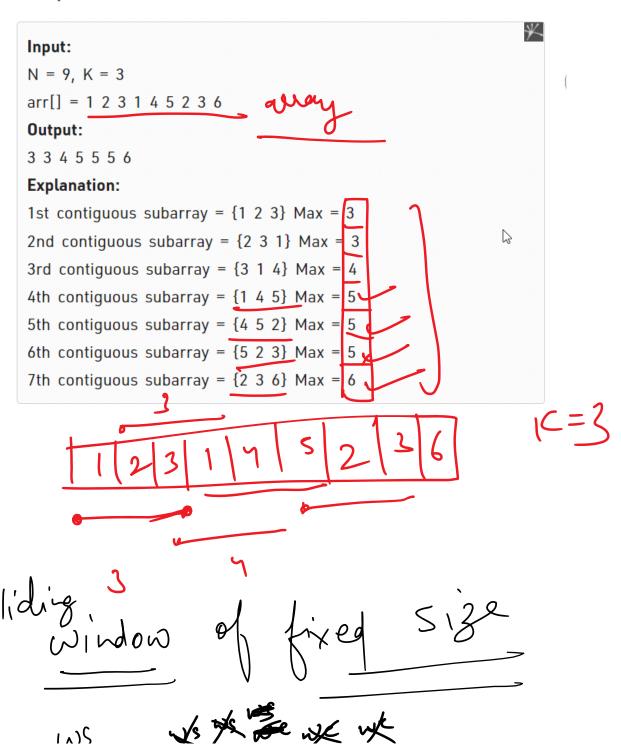


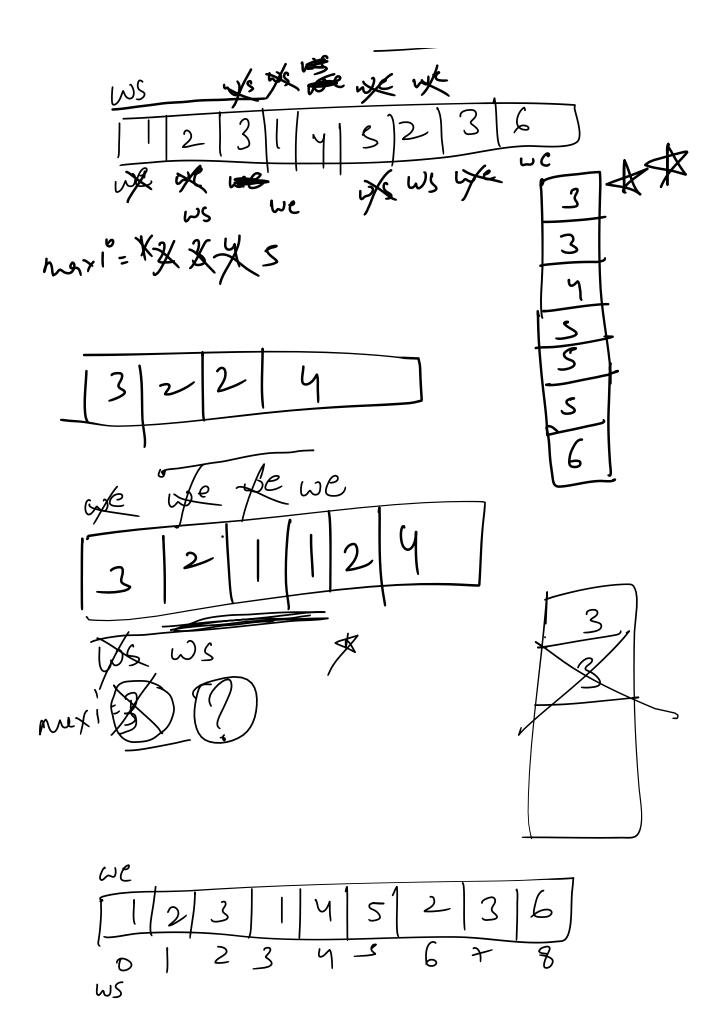


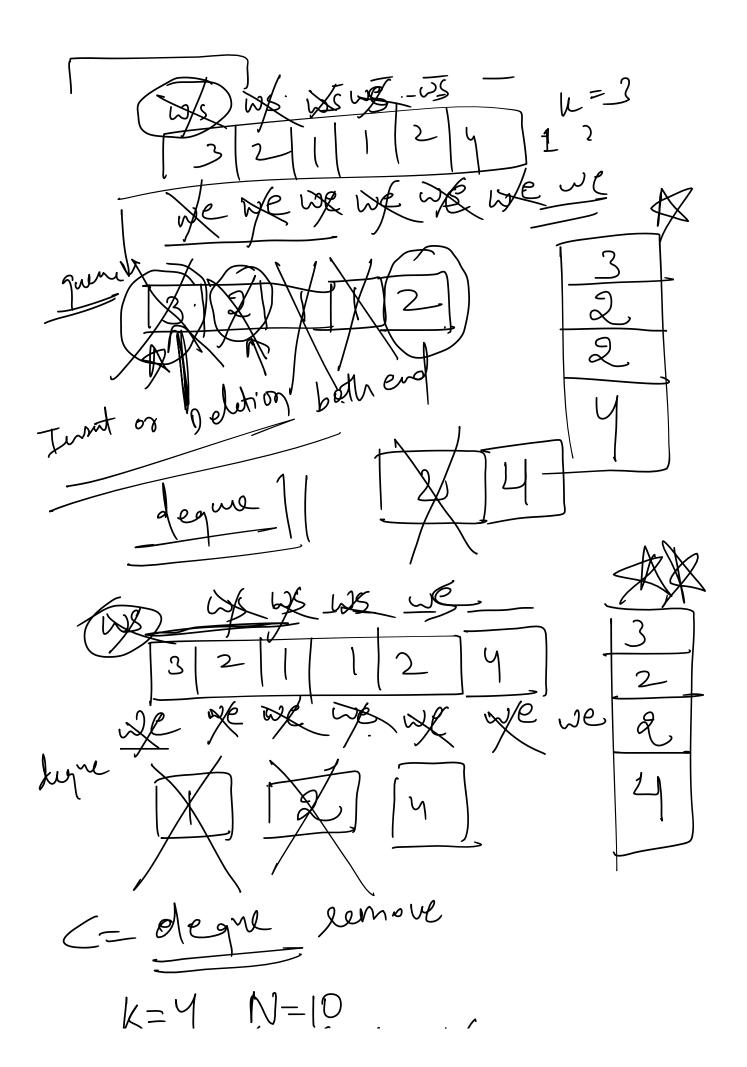
Due to the rise of covid-19 cases in India, this year BCCI decided to organize knock-out matches in IPL rather than a league.

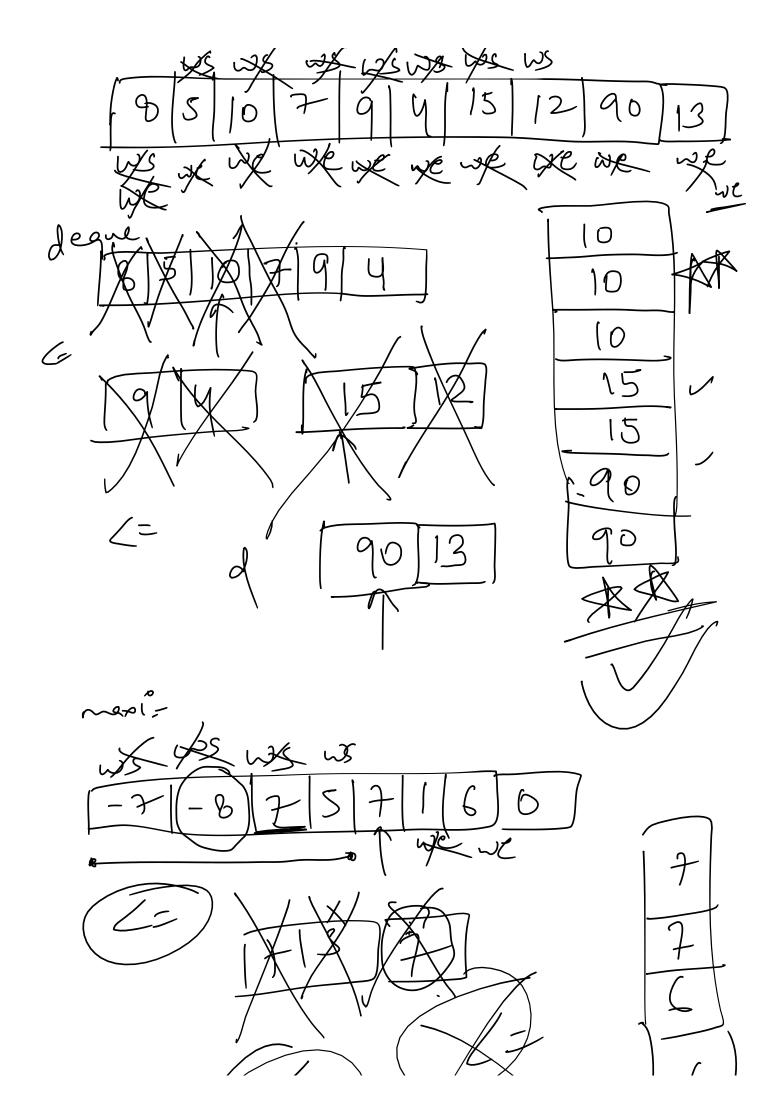
Today is matchday 2 and it is between the most loved team Chennai Super Kings and the most underrated team - Punjab Kings. Stephen Fleming, the head coach of CSK, analyzing the batting stats of Punjab. He has stats of runs scored by all N players in the previous season and he wants to find the maximum score for each and every contiguous sub-list of size K to strategize for the game.

## Example 1:

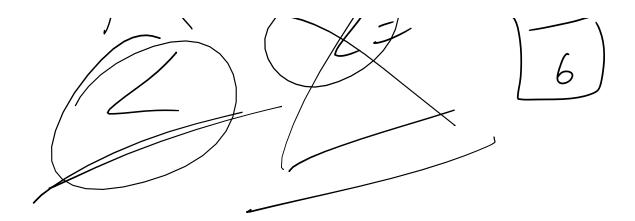








Classes Page 10



```
class Solution {
public:
    vector<int> maxSlidingWindow(vector<int>& nums, int k) {
        deque<int> d;
        vector<int> ans_array;
        int ws = 0, we = 0;
        while(we < nums.size()){</pre>
            if(d.size() == 0){
                d.push_back(nums[we]);
            }else{
                while(d.size() > 0 && d.back() < nums[we]){</pre>
                    d.pop_back();
                d.push_back(nums[we]);
            if(we - ws + 1 < k){
                we++;
            else if(we - ws + 1 == k){
                // sliding
                ans_array.push_back(d.front());
                if(d.front() == nums[ws]){
                    d.pop_front();
                ws++;
                we++;
        return ans_array;
};
```

T. (-0(N)...

