Sliding window

FIXED SIZED SLIDING WINDOW

Psuedo Code

int size;

int i=0,j=0;

while(j<size){

    //calculations

    if(condition < k){

        j++;

    }

    else if(condition==k){

        ans<-calculations

        j++;

        i++;

        //remove calculation for arr[i]

    }

    return ans

}

1. Maximum sum subarray of size k

<https://practice.geeksforgeeks.org/problems/max-sum-subarray-of-size-k5313/0>

1. First negative

<https://www.geeksforgeeks.org/first-negative-integer-every-window-size-k/>

1. Count occurrences of anagrams

<https://practice.geeksforgeeks.org/problems/count-occurences-of-anagrams5839/1>

1. Maximum of all subarrays of size K

<https://practice.geeksforgeeks.org/problems/maximum-of-all-subarrays-of-size-k3101/1>

VARIABLE SIZED SLIDING WINDOW

Psuedo Code

int i=0,j=0,size;

    while(j<size){

        //calculations

        if(condition < k){

            j++;

        }

        else if(condition == k){

            ans=calculation

            j++

        }

        else if(condition > k){

            while(condition > k){

                remove calculation for i

                i++;

            }

        }

    }

1. Longest substring with no repeating characters

<https://practice.geeksforgeeks.org/problems/length-of-the-longest-substring3036/1>

1. Longest substring with k unique character

<https://practice.geeksforgeeks.org/problems/longest-k-unique-characters-substring0853/1>