

Engineering Animuthyam

Java DSA – Course Part - 32

Sliding Window or Two pointers

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

Hello machas, Bagunnara

Variable Size Sliding Window.

You are given an array and You should
Find the maximum length of the
subarray which has atmost k ones

Example:

[0,1,3,1,1,6,7,1,0,1] k =2

Ans: 5

```
public static void main(String[] args) {  
    int nums[]={ 0,1,3,1,1,6,7,1,0,1};  
    int k=2;  
    int l=0;  
    int ans = 0;  
    int temp = 0;  
    int n= nums.length;  
    for(int r=0;r<n;r++){  
        if(nums[r]==1){  
            temp+=1;  
        }  
  
        while(temp>k){  
            if(nums[l]==1){  
                temp-=1;  
            }  
            l++;  
        }  
  
        ans = Math.max(ans,r-l+1);  
    }  
    System.out.println(ans);  
}
```