

Engineering Animuthyam

Java DSA – Course Part - 28

Sliding Window and Two Pointers

Course Link:

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

Website Link:

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

Hello machas, Bagunnara.

`Integer.MAX_VALUE;`

`Integer.MIN_VALUE;`

IF I, J INDICES ARE GIVEN THEN LENGTH IS

$J - I + 1$

Leetcode Problem

1984. Minimum Difference Between Highest and Lowest of K Scores

<https://leetcode.com/problems/minimum-difference-between-highest-and-lowest-of-k-scores/description/>

```
class Solution {
    public int minimumDifference(int[] nums, int k) {
        Arrays.sort(nums);
        int l=0;
        int ans = Integer.MAX_VALUE;
        for(int r=0;r<nums.length;r++){

            if(r-l==k){
                l++;
            }

            if(r-l+1 == k){
                int temp = nums[r]-nums[l];
                ans=Math.min(ans,temp);
            }
        }
        return ans;
    }
}
```