

# Engineering Animuthyam

## Java DSA – Course Part - 36

## 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.

### Leetcode Problem

### 3. Longest Substring Without Repeating Characters

<https://leetcode.com/problems/longest-substring-without-repeating-characters/description/>

3

```
public int lengthOfLongestSubstring(String s) {  
    HashSet<Character> hs = new HashSet<>();  
    int n=s.length();  
    int l = 0;  
    int ans = 0;  
    for(int r=0;r<n;r++){  
        char ch=s.charAt(r);  
        if(!hs.contains(ch)){  
            hs.add(ch);  
        }else{  
            while(hs.contains(ch)){  
                hs.remove(s.charAt(l));  
                l++;  
            }  
            hs.add(ch);  
        }  
  
        ans=Math.max(ans,r-l+1);  
    }  
    return ans;  
}
```