**DSA Patterns.**

**Sliding Window:**

1.There is one pattern where you need to shift window from left to right based on conditions. Here, questions would be finding longest substring without repeating characters, length of subarray containing almost 2 distinct numbers.  
  
[Longest substring without repeating characters:](https://leetcode.com/problems/longest-substring-without-repeating-characters/description/)

[Max consecutive ones III:](https://leetcode.com/problems/max-consecutive-ones-iii/description/)

[Find length of the longest subarray containing atmost two distinct integers:](https://www.geeksforgeeks.org/problems/fruit-into-baskets-1663137462/1)

2. There is a pattern where you have to get count of subarrays, substrings like number of substrings containing all 3 chars,   
  
[Number of Substrings Containing All Three Characters](https://leetcode.com/problems/number-of-substrings-containing-all-three-characters/):

**Two Pointer:**