Sliding Window & Binary Search

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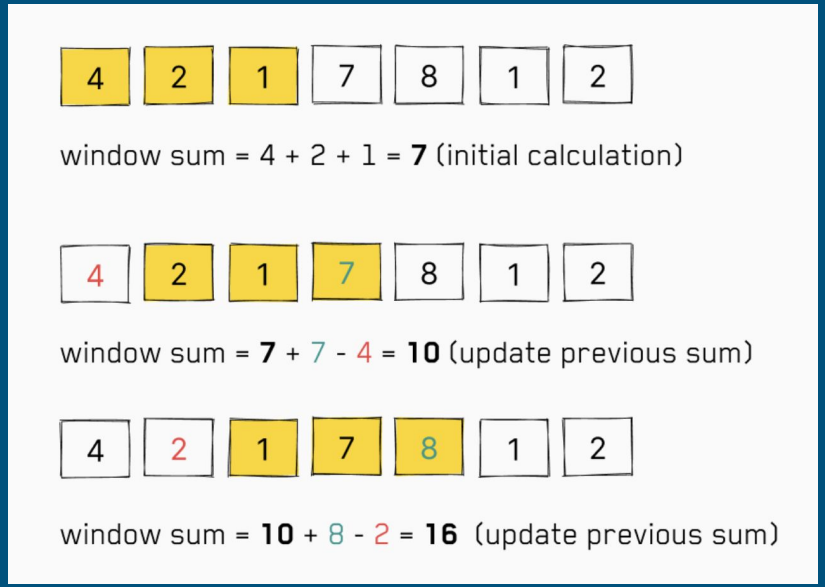
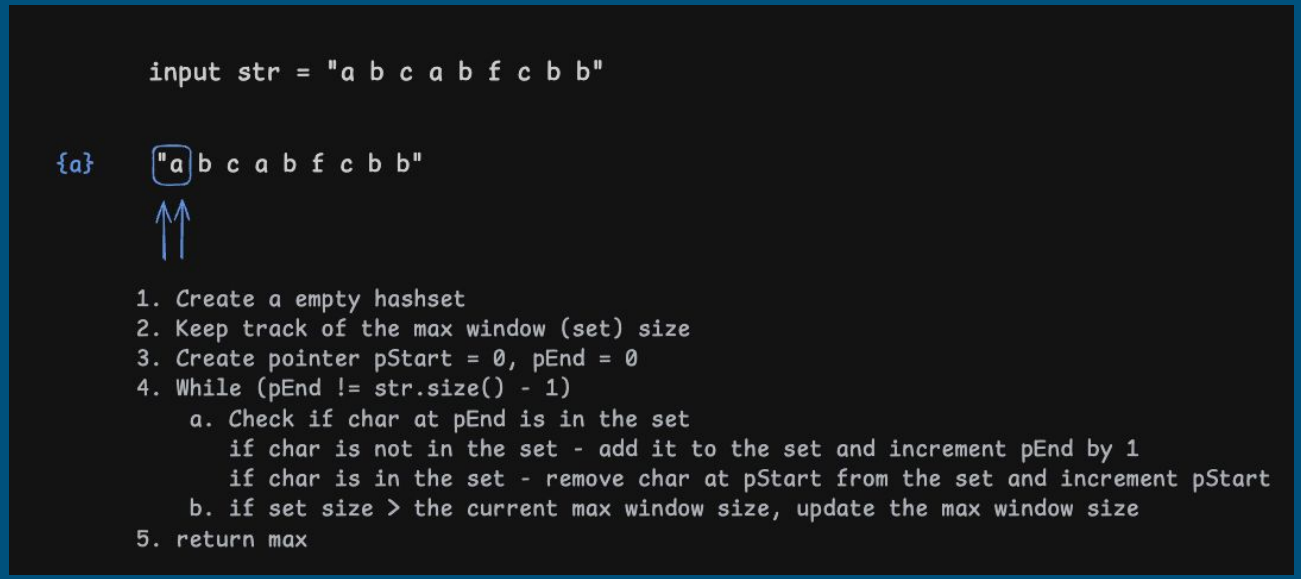
Sliding Window

Instead of repeatedly iterating over the same elements, the sliding window maintains a window that moves through the data



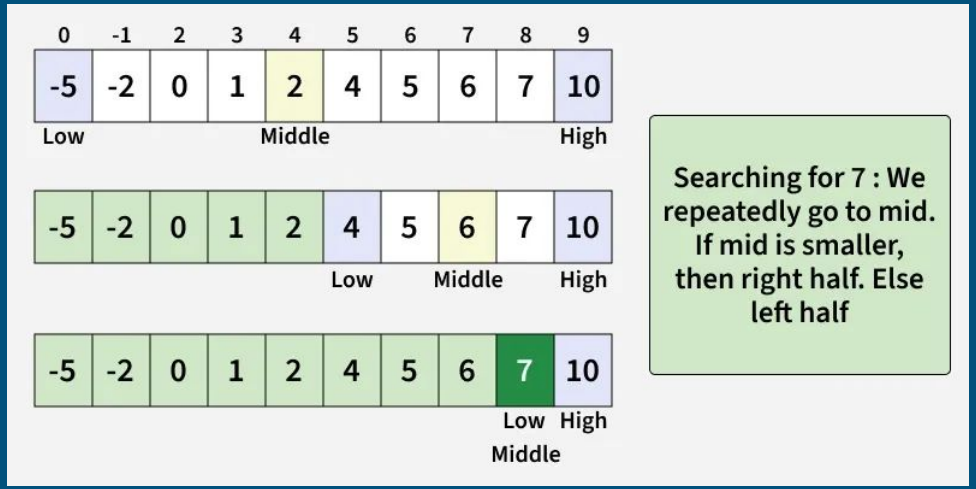
Sliding Window Example - Longest Substring Without Repeating Character

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



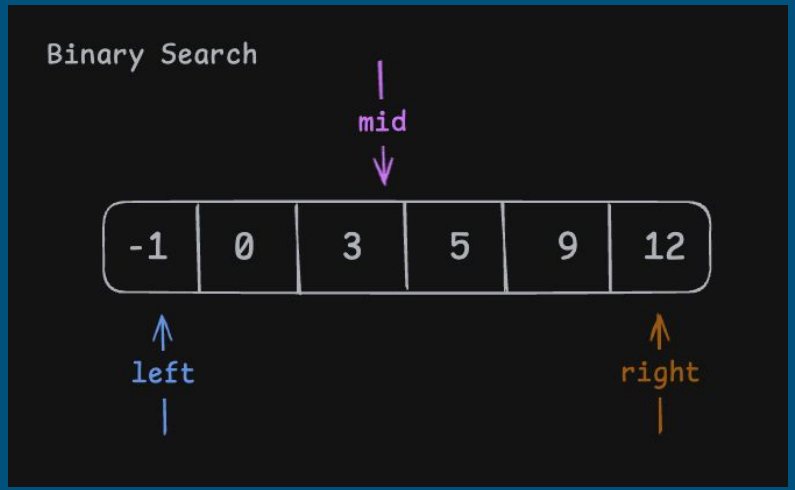
Binary Search

- The data structure must be sorted.
- Time Complexity O(log(n))



Binary Search Example - Binary Search

https://leetcode.com/problems/binary-search/



Binary Search Example - Find Minimum in Rotated Sorted Array

https://leetcode.com/problems/find-minimum-in-rotated-sorted-array

Thank You