

Leetcode Patterns

These patterns will help you make sure that you don't need to solve 1000s of LeetCode Problems. Instead, you will be done with most of LeetCode in far fewer problems.

1. **10-line template that can solve most 'substring' problems:**
<https://leetcode.com/problems/minimum-window-substring/solutions/26808/Here-is-a-10-line-template-that-can-solve-most-substring-problems/>
2. **Sliding Window Cheatsheet Template:**
<https://leetcode.com/problems/frequency-of-the-most-frequent-element/solutions/1175088/C++Maximum-Sliding-Window-Cheatsheet-Template/>
3. **Two Pointers Problems:**
<https://leetcode.com/discuss/study-guide/1688903/Solved-all-two-pointers-problems-in-100-days>
4. **Backtracking:**
<https://medium.com/leetcode-patterns/leetcode-pattern-3-backtracking-5d9e5a03dc26>
5. **Backtracking Approach:**
[https://leetcode.com/problems/permutations/solutions/18239/A-general-approach-to-backtracking-questions-in-Java-\(Subsets-Permutations-Combination-Sum-Palindrome-Partitioning\)/](https://leetcode.com/problems/permutations/solutions/18239/A-general-approach-to-backtracking-questions-in-Java-(Subsets-Permutations-Combination-Sum-Palindrome-Partitioning)/)
6. **Dynamic Programming Patterns:**
<https://leetcode.com/discuss/study-guide/458695/Dynamic-Programming-Patterns>
7. **Dynamic Programming Patterns II:**
<https://leetcode.com/discuss/study-guide/1437879/Dynamic-Programming-Patterns>
8. **Binary Search Template:**
<https://leetcode.com/discuss/study-guide/786126/Python-Powerful-Ultimate-Binary-Search-Template.-Solved-many-problems>
9. **Graph (DFS & BFS):**
<https://leetcode.com/discuss/study-guide/937307/Iterative-or-Recursive-DFS-and-BFS-Tree-Traversal-or-In-Pre-Post-and-LevelOrder>
10. **Graph for Beginners:**
<https://leetcode.com/discuss/study-guide/655708/Graph-For-Beginners-Problems-or-Pattern-or-Sample-Solutions>
11. **Monotonic Stack:**
<https://leetcode.com/discuss/study-guide/2347639/A-comprehensive-guide-and-template-for-monotonic-stack-based-problems>
12. **Important String Questions Patterns:**
<https://leetcode.com/discuss/study-guide/2001789/Collections-of-Important-String-questions-Pattern>
13. **Bit Manipulations and How to Use It:**
<https://leetcode.com/discuss/interview-question/3695233/All-Types-of-Patterns-for-Bits-Manipulations-and-How-to-use-it>
14. **LeetCode Patterns (BFS, DFS, etc.):**
<https://medium.com/leetcode-patterns/leetcode-pattern-1-bfs-dis-25-of-the-problems-part-1-51945038-4353>
15. **Greedy Approach for Interval-Based Problems:**
<https://leetcode.com/discuss/general-discussion/794725/General-Pattern-for-greedy-approach->

[for-Interval-based-problems](#)

<https://medium.com/setimpark0807/leetcode-is-easy-the-interval-pattern-d68a7c1c841>

16. **Prefix Sum & Difference Array:**

<https://leetcode.com/discuss/study-guide/1193713/Prefix-Sum-and-Difference-Array-Complete-Study>

17. **Trie (Prefix Tree):**

<https://leetcode.com/discuss/study-guide/1129847/Ultimate-Guide-to-Trie>