Pattern	Question	Link 1	Link 2	Link 3
	1. Pattern: Two Pointers			
	Pair with Target Sum (easy)	https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/description/		
	Rearrange 0 and 1	https://www.geeksforgeeks.org/problems/segregate-0s-and-1s5106/1		
	Remove Duplicates (easy)	https://leetcode.com/problems/remove-duplicates-from-sorted-list/	https://leetcode.com/problems/remove-duplicates-from-sorted-array/	https://leetcode.com/problems/remove-duplicates-from-sorted-array-ii/
	Squaring a Sorted Array (easy)	https://leetcode.com/problems/squares-of-a-sorted-array/		
	Triplet Sum to Zero (medium)	https://leetcode.com/problems/3sum/		
	Triplet Sum Close to Target (medium)	https://leetcode.com/problems/3sum-closest/		
	Triplets with Smaller Sum (medium)	https://www.geeksforgeeks.org/problems/count-triplets-with-sum-smaller-than-x5549/1		
	Subarrays with Product Less than a Target (medium)	https://leetcode.com/problems/subarray-product-less-than-k/		
	Dutch National Flag Problem (medium)	https://leetcode.com/problems/sort-colors/description/		
	Problem Challenge 1: Quadruple Sum to Target (medium)	https://leetcode.com/problems/4sum/		
	Problem Challenge 2: Comparing Strings containing Backspaces (medium)	https://leetcode.com/problems/backspace-string-compare/		
	Problem Challenge 3: Minimum Window Sort (medium)	https://leetcode.com/problems/shortest-unsorted-continuous-subarray/	https://www.ideserve.co.in/learn/minimum-length-subarray-sorting-which-results-in-sorted-array	
	2. Pattern: Fast & Slow pointers			
	LinkedList Cycle (easy)	https://leetcode.com/problems/linked-list-cycle/		
	Start of LinkedList Cycle (medium)	https://leetcode.com/problems/linked-list-cycle-ii/		
	Happy Number (medium)	https://leetcode.com/problems/happy-number/		
	FIND DUPLICATE NUMBER	https://leetcode.com/problems/find-the-duplicate-number/description/		
	Middle of the LinkedList (easy)	https://leetcode.com/problems/middle-of-the-linked-list/		
	Problem Challenge 1: Palindrome LinkedList (medium)	https://leetcode.com/problems/palindrome-linked-list/		
	Problem Challenge 2: Rearrange a LinkedList (medium)	https://leetcode.com/problems/reorder-list/		
	Problem Challenge 3: Cycle in a Circular Array (hard)	https://leetcode.com/problems/circular-array-loop/		
	3. Pattern: Sliding Window			
	Maximum Sum Subarray of Size K (easy)	https://www.geeksforgeeks.org/problems/max-sum-subarray-of-size-k5313/1		
	Smallest Subarray with a given sum (easy)	https://leetcode.com/problems/minimum-size-subarray-sum/		
	Longest Substring with K Distinct Characters (medium)	https://www.geeksforgeeks.org/problems/longest-k-unique-characters-substring0853/1		
	Fruits into Baskets (medium)	https://leetcode.com/problems/fruit-into-baskets/		
	No-repeat Substring (hard)	https://leetcode.com/problems/longest-substring-without-repeating-characters/		
	Longest Substring with Same Letters after Replacement (hard)	https://leetcode.com/problems/longest-repeating-character-replacement/		
	Longest Subarray with Ones after Replacement (hard)	https://leetcode.com/problems/max-consecutive-ones-iii/		
	Minimum size subarray SUM	https://leetcode.com/problems/minimum-size-subarray-sum/		
	Minimum Size Substring (HARD)	https://leetcode.com/problems/minimum-window-substring/description/?envType=study-plan-v2&envId=top-interview-150		
	Problem Challenge 1: Permutation in a String (hard)	https://leetcode.com/problems/permutation-in-string/		
	Problem Challenge 2: String Anagrams (hard)	https://leetcode.com/problems/find-all-anagrams-in-a-string/		
	Problem Challenge 4: Words Concatenation (hard)	https://leetcode.com/problems/substring-with-concatenation-of-all-words/		
	Pattern: Kadane pattern			
	Maximum subarray sum	https://leetcode.com/problems/maximum-subarray/?utm_source=chatgpt.com		
	Minimum Subarray Sum	https://www.geeksforgeeks.org/problems/smallest-sum-contiguous-subarray/1		
	Maximum product subarray	https://leetcode.com/problems/maximum-product-subarray/?utm_source=chatgpt.com		
	Maximum subarray sum with one deletion	https://leetcode.com/problems/maximum-subarray-sum-with-one-deletion/description/		
	Maximum absolute sum of any subarray	https://leetcode.com/problems/maximum-absolute-sum-of-any-subarray/		
	Maximum sum in circular array variant	https://leetcode.com/problems/maximum-sum-circular-subarray/?utm_source=chatgpt.com		
	PATTERN: PREFIX SUM			
	Subarray Sum Equals K (EASY)	https://leetcode.com/problems/subarray-sum-equals-k/description/		
	Find Pivot Index (EASY)	https://leetcode.com/problems/find-pivot-index/description/		
	Subarray Sums Divisible By K (Med)	https://leetcode.com/problems/subarray-sums-divisible-by-k/description/		
	Contiguous array (MED)	https://leetcode.com/problems/contiguous-array/description/		
	Problem challenge: Shortest Subarray With Sum at Least K (HARD)	https://leetcode.com/problems/shortest-subarray-with-sum-at-least-k/description/		
	Problem challenge: Count Range Sum (hard)	https://leetcode.com/problems/count-of-range-sum/description/		
	4. Pattern: Merge Intervals			
	Merge Intervals (medium)	https://leetcode.com/problems/merge-intervals/description/		
	Insert Interval (medium)	https://leetcode.com/problems/insert-interval/		
	Intervals Intersection (medium)	https://leetcode.com/problems/interval-list-intersections/description/		
	Overlapping Intervals	https://www.geeksforgeeks.org/problems/check-if-any-two-intervals-overlap-among-a-given-set-of-intervals/		
	Problem Challenge 1: Minimum Meeting Rooms (hard)	https://www.geeksforgeeks.org/problems/attend-all-meetings-ii/1		
	Problem Challenge 2: Maximum CPU Load (hard)	https://www.geeksforgeeks.org/maximum-cpu-load-from-the-given-list-of-jobs/		
	Problem Challenge 3: Employee Free Time (hard)	https://www.codertrain.co/employee-free-time		
	5. Pattern: Cyclic Sort			
	Cyclic Sort (easy)	https://www.geeksforgeeks.org/sort-an-array-which-contain-1-to-n-values-in-on-using-cycle-sort/		
	Find the Missing Number (easy)	https://leetcode.com/problems/missing-number/		
	Find all Missing Numbers (easy)	https://leetcode.com/problems/find-all-numbers-disappeared-in-an-array/		
	Find the Duplicate Number (easy)	https://leetcode.com/problems/find-the-duplicate-number/		
	Find all Duplicate Numbers (easy)	https://leetcode.com/problems/find-all-duplicates-in-an-array/		
	Problem Challenge 1: Find the Corrupt Pair (easy)	https://thecodingsimplified.com/find-currupt-pair/		
	Problem Challenge 2: Find the Smallest Missing Positive Number (medium)	https://leetcode.com/problems/first-missing-positive/		
	Problem Challenge 3: Find the First K Missing Positive Numbers (hard)	https://thecodingsimplified.com/find-the-first-k-missing-positive-number/		

		6. Pattern: In-place Reversal of a LinkedList	
		Reverse a LinkedList (easy)	https://leetcode.com/problems/reverse-linked-list/
		Reverse a Sub-list (medium)	https://leetcode.com/problems/reverse-linked-list-ii/
		Reverse List in Pairs (Medium)	https://leetcode.com/problems/swap-nodes-in-pairs/description/
		Reverse every K-element Sub-list (HARD)	https://leetcode.com/problems/reverse-nodes-in-k-group/
		Problem Challenge 1: Reverse nodes in EVEN Length Groups (HARD)	https://leetcode.com/problems/reverse-nodes-in-even-length-groups/description/
		Problem Challenge 2: Rotate a LinkedList (medium)	https://leetcode.com/problems/rotate-list/
		7. Pattern: Stack	
		remove adjacent duplicates	https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/description/
		Balanced Parentheses	https://leetcode.com/problems/valid-parentheses/description/
		Reverse a String	
		Next Greater Element (easy)	https://leetcode.com/problems/next-greater-element-ii/description/
		Daily Temperatures (easy)	https://leetcode.com/problems/daily-temperatures/
		Remove Nodes From Linked List (easy)	https://leetcode.com/problems/remove-nodes-from-linked-list/
		Remove All Adjacent Duplicates in String II (medium)	https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string-ii/
		Simplify Path (Problem Challenge)	https://leetcode.com/problems/simplify-path/
		Remove K Digits (hard) Problem challenge	https://leetcode.com/problems/remove-k-digits/
		9. Pattern: Hash Maps	
		First Non-repeating Character (easy)	https://leetcode.com/problems/first-unique-character-in-a-string/
		Maximum Number of Balloons (easy)	https://leetcode.com/problems/maximum-number-of-balloons/
		Longest Palindrome(easy)	https://leetcode.com/problems/longest-palindrome/
		Ransom Note (easy)	https://leetcode.com/problems/ransom-note/
		10. Pattern : Binary Search	
		Binary search basic	https://leetcode.com/problems/binary-search/
		Upper Bound/ Ceiling	https://www.geeksforgeeks.org/problems/ceil-in-a-sorted-array/1
		First and Last position	https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/
		Count number of occurences	https://www.geeksforgeeks.org/problems/number-of-occurrence2259/1
		Search in infinite Sorted array	https://www.geeksforgeeks.org/find-position-element-sorted-array-infinite-numbers/
		Peak index in Mountain	https://leetcode.com/problems/peak-index-in-a-mountain-array/
		Find peak in mountain range	https://leetcode.com/problems/find-peak-element/
		Find minimum in rotated sorted array	https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/
		Find number of rotations to sorted array	https://www.geeksforgeeks.org/problems/rotation4723/1
		Search in rotated sorted array	https://leetcode.com/problems/search-in-rotated-sorted-array/description/
		KOKO eating BANANAS	https://leetcode.com/problems/koko-eating-bananas/
		Min num of days to make m bouquets	https://leetcode.com/problems/minimum-number-of-days-to-make-m-bouquets/
		Aggresive cows	https://www.geeksforgeeks.org/problems/aggressive-cows/1
		Max candies to k children	https://leetcode.com/problems/maximum-candies-allocated-to-k-children/description/
		Capacity to ship packages in d days	https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/description/
		Book Allocation Problem	https://www.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1
		Split largest arrray	https://leetcode.com/problems/split-array-largest-sum/description/
		Search 2 D matrix	https://leetcode.com/problems/search-a-2d-matrix/
		Search 2D matrix (Hard)	https://leetcode.com/problems/search-a-2d-matrix-ii/description/
		kth smallest in sorted matrix	https://leetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/description/
		kth smallest in multiplication matrix	https://leetcode.com/problems/kth-smallest-number-in-multiplication-table/description/
		median of 2 sorted arrays	https://leetcode.com/problems/median-of-two-sorted-arrays/
		HEAP PATTERN	
Kth		kth smallest	https://www.geeksforgeeks.org/problems/kth-smallest-element5635/1
		kth largest	https://leetcode.com/problems/kth-largest-element-in-an-array/description/
		TOP K frequent Elements	https://leetcode.com/problems/top-k-frequent-elements/description/
		Top K frequent Words	https://leetcode.com/problems/top-k-frequent-words/description/
K closest		K closest points to origin	https://leetcode.com/problems/k-closest-points-to-origin/description/
		Find K closest elements	https://leetcode.com/problems/find-k-closest-elements/description/
		Kth weakest row in Matrix	https://leetcode.com/problems/the-k-weakest-rows-in-a-matrix/description/
heap as pointer		Merge K Sorted Lists	https://leetcode.com/problems/merge-k-sorted-lists/description/
		Kth Smallest in Sorted Matrix	https://leetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/description/
GREEDY+heap		LAST STONE WEIGHT	https://leetcode.com/problems/last-stone-weight/description/
		CPU Task Scheduler	https://leetcode.com/problems/task-scheduler/description/
		Reorganize String	https://leetcode.com/problems/reorganize-string/
		Min number of refueling stops	https://leetcode.com/problems/minimum-number-of-refueling-stops/description/
		IPO	https://leetcode.com/problems/ipo/description/
		Course Scheduler 3	https://leetcode.com/problems/course-schedule-iii/description/
2 heaps		Find median in data stream	https://leetcode.com/problems/find-median-from-data-stream/description/
		Sliding Window Median (hard)	https://leetcode.com/problems/sliding-window-median/description/
		Pattern: Graph Traversal: Breadth First Search (BFS)	
		Find if Path Exists in Graph(easy)	https://leetcode.com/problems/find-if-path-exists-in-graph/
		Number of Provinces (medium)	https://leetcode.com/problems/number-of-provinces/

Minimum Number of Vertices to Reach All Nodes(medium)	https://leetcode.com/problems/minimum-number-of-vertices-to-reach-all-nodes/		
13. Pattern: Island (Matrix traversal)			
Number of Islands (easy)	https://leetcode.com/problems/number-of-islands/		
Biggest Island (easy)			
Flood Fill (easy)	https://leetcode.com/problems/flood-fill/		
Number of Closed Islands (easy)	https://leetcode.com/problems/number-of-closed-islands/		
Problem Challenge 1 (easy)			
Problem Challenge 2 (medium)			
Problem Challenge 3 (medium)			
15. Pattern: Subsets			
Subsets (easy)	https://www.educative.io/courses/grokking-the-coding-interview/gx2OqlvEnWG		
Subsets With Duplicates (easy)	https://www.educative.io/courses/grokking-the-coding-interview/7npk3V3JQNr		
Permutations (medium)	https://www.educative.io/courses/grokking-the-coding-interview/B8R83jyN3KY		
String Permutations by changing case (medium)			
Balanced Parentheses (hard)			
Unique Generalized Abbreviations (hard)	https://leetcode.com/problems/generalized-abbreviation/		
17. Pattern: Bitwise XOR			
Single Number (easy)			
Two Single Numbers (medium)			
Complement of Base 10 Number (medium)			
Problem Challenge 1: Flip and Invert an Image (hard)			
20. Pattern: Greedy Algorithms			
Valid Palindrome II (easy)	https://leetcode.com/problems/valid-palindrome-ii/		
Maximum Length of Pair Chain (medium)	https://leetcode.com/problems/maximum-length-of-pair-chain/		
Minimum Add to Make Parentheses Valid (medium)	https://leetcode.com/problems/minimum-add-to-make-parentheses-valid/		
Remove Duplicate Letters (medium)	https://leetcode.com/problems/remove-duplicate-letters/		
Largest Palindromic Number (Medium)	https://leetcode.com/problems/largest-palindromic-number/		
Removing Minimum and Maximum From Array (medium)	https://leetcode.com/problems/removing-minimum-and-maximum-from-array/		
21. Pattern : 0/1 Knapsack (Dynamic Programming)			
0/1 Knapsack (medium)	https://www.geeksforgeeks.org/0-1-knapsack-problem-dp-10/		
Equal Subset Sum Partition (medium)	https://leetcode.com/problems/partition-equal-subset-sum/		
Subset Sum (medium)	https://www.geeksforgeeks.org/subset-sum-problem-dp-25/		
Minimum Subset Sum Difference (hard)	https://www.geeksforgeeks.org/partition-a-set-into-two-subsets-such-that-the-difference-of-subset-sums-is-minimum/		
Problem Challenge 1: Count of Subset Sum (hard)			
Problem Challenge 2: Target Sum (hard)			
22. Pattern: Backtracking			
Combination Sum (medium)	https://leetcode.com/problems/combination-sum/	https://leetcode.com/problems/combination-sum-ii/	https://leetcode.com/problems/combination-sum-iii/
Word Search (medium)	https://leetcode.com/problems/word-search/	https://leetcode.com/problems/word-search-ii/	
Sudoku Solver (hard)	https://leetcode.com/problems/sudoku-solver/		
Factor Combinations (medium)	https://leetcode.com/problems/factor-combinations/		
Split a String Into the Max Number of Unique Substrings (medium)	https://leetcode.com/problems/split-a-string-into-the-max-number-of-unique-substrings/		
23. Pattern: Trie			
Implement Trie (Prefix Tree) (medium)	https://leetcode.com/problems/implement-trie-prefix-tree/		
Index Pairs of a String (easy)	https://leetcode.com/problems/index-pairs-of-a-string/		
Design Add and Search Words Data Structure (medium)	https://leetcode.com/problems/design-add-and-search-words-data-structure/		
Extra Characters in a String (medium)	https://leetcode.com/problems/extra-characters-in-a-string/		
Search Suggestions System (medium)	https://leetcode.com/problems/search-suggestions-system/		
24. Pattern: Topological Sort (Graph)			
Topological Sort (medium)	https://www.youtube.com/watch?v=cIBFEhD77b4		
Tasks Scheduling (medium)	https://leetcode.com/problems/course-schedule/		
Tasks Scheduling Order (medium)	https://leetcode.com/problems/course-schedule/		
All Tasks Scheduling Orders (hard)	https://leetcode.com/problems/course-schedule-ii/		
Alien Dictionary (hard)	https://leetcode.com/problems/alien-dictionary/		
Problem Challenge 1: Reconstructing a Sequence (hard)	https://leetcode.com/problems/sequence-reconstruction/		
Problem Challenge 2: Minimum Height Trees (hard)	https://leetcode.com/problems/minimum-height-trees/		
25. Pattern: Union Find			
Redundant Connection (medium)	https://leetcode.com/problems/redundant-connection/	https://leetcode.com/problems/redundant-connection-ii/	
Number of Provinces (medium)	https://leetcode.com/problems/number-of-provinces/		
Is Graph Bipartite? (medium)	https://leetcode.com/problems/is-graph-bipartite/		
Path With Minimum Effort (medium)	https://leetcode.com/problems/path-with-minimum-effort/		
26. Ordered Set			
Merge Similar Items (easy)	https://leetcode.com/problems/merge-similar-items/		
132 Pattern (medium)	https://leetcode.com/problems/132-pattern/		
My Calendar I (medium)	https://leetcode.com/problems/my-calendar-i/	https://leetcode.com/problems/my-calendar-ii/	https://leetcode.com/problems/my-calendar-iii/