Problems	Tags	Level
Two Sum	Array, Hash Table	Easy
Merge Sorted Array	Array, Two Pointers	Easy
Maximum Subarray	Array, DP, Divide and Conquer	Easy
Best Time to Buy and Sell Stock II	Array, Greedy	Easy
Remove Duplicates from Sorted Array	Array, Two Pointers	Easy
Roman to Integer	Math, String	Easy
Excel Sheet Column Title	Math	Easy
Valid Palindrome	Two Pointers, String	Easy
Trapping Rain Water	Array, Two Pointers, Stack	Hard
Text Justification	String, Simulation	Hard
Median of Two Sorted Arrays	Array, Binary Search, Divide and Conquer	Hard
Insert Interval	Array, Sort	Hard
3Sum	Array, Two Pointers	Medium
Search in Rotated Sorted Array	Array, Binary Search	Medium
Find First and Last Position of Element in Sorted Array	Array, Binary Search	Medium
Kth Smallest Element in a Sorted Matrix	Binary Search, Heap	Medium
Sort Colors	Array, Two Pointers, Sort	Medium
Spiral Matrix	Array	Medium
Search a 2D Matrix II	Array, Binary Search, Divide and Conquer	Medium
Set Matrix Zeroes	Array	Medium
Rotate Image	Array	Medium
Rotate Array	Array	Medium
Gas Station	Greedy, Array	Medium
Integer to Roman	Math, String	Medium
Merge Intervals	Array, Sort	Medium
Minimum Number of Arrows to Burst Balloons	Greedy, Sort	Medium
Container With Most Water	Array, Two Pointers, Greedy	Medium

Problems	Tags	Level	InClass
Check Knight Tour Configuration	Backtracking, Graph	Medium	Yes
Decode String	String, Stack	Medium	Yes
Decode Ways	DP, String	Medium	Yes
Generate Parentheses	Backtracking, String	Medium	Yes
Letter Combinations of a Phone Number	Backtracking, String	Medium	Yes
Next Permutation	Array	Medium	Yes
Permutations	Backtracking	Medium	Yes
Permutations II	Backtracking	Medium	Yes
Pow(x, n)	Math, Binary Search	Medium	Yes
Unique Paths III	Backtracking, Depth-First Search	Hard	Yes
Word Search	Backtracking, Array	Medium	Yes
Different Ways to Add Parentheses	Divide and Conquer, DP	Medium	
Game of Life	Array	Medium	
Integer to English Words	Math, String	Hard	
N-Queens	Backtracking	Hard	
Sudoku Solver	Backtracking, Hash Table	Hard	
Unique Paths	DP	Medium	
Unique Paths II	DP, Array	Medium	
Valid Sudoku	Array, Hash Table	Medium	
Word Break	DP	Medium	
Word Break II	DP, Backtracking	Hard	
Word Search II	Backtracking, Trie	Hard	
Subsets	Array, Backtracking	Medium	
Subsets II	Array, Backtracking	Medium	
Letter Case Permutation - LeetCode	Array, Backtracking	Medium	

Problems	Tags	Level
Add Two Numbers	Linked List, Math	Medium
Copy List with Random Pointer	Linked List, Hash Table	Medium
Design Browser History	Linked List	Medium
Design Circular Queue	Design, Queue	Medium
Flatten a Multilevel Doubly Linked List	Linked List	Medium
Insertion Sort List	Linked List, Sort	Medium
Linked List Cycle	Linked List, Two Pointers	Easy
Linked List Cycle II	Linked List, Two Pointers	Medium
Merge k Sorted Lists	Linked List, Divide and Conquer, Heap	Hard
Merge Two Sorted Lists	Linked List	Easy
Partition List	Linked List, Two Pointers	Medium
Remove Duplicates from Sorted List	Linked List	Easy
Remove Duplicates from Sorted List II	Linked List	Medium
Remove Nth Node From End of List	Linked List, Two Pointers	Medium
Reverse Linked List	Linked List	Easy
Reverse Linked List II	Linked List	Medium
Reverse Nodes in k-Group	Linked List	Hard
Rotate List	Linked List, Two Pointers	Medium
Sort List	Linked List, Sort	Medium
Swapping Nodes in a Linked List	Linked List	Medium
CRUD Operations on SLL	Linked List	Easy
CRUD Operations on DLL	Linked List	Easy
CRUD Operations on CLL	Linked List	Easy
Split Linked List in Parts	Linked List	
Odd Even Linked List	Linked List	
Intersection of Two Linked Lists	Linked List	
Palindrome Linked List	Linked List	

Problems	Tags	Level
Evaluate Reverse Polish Notation	Stack	Medium
Find the Winner of the Circular Game	Simulation	Medium
Largest Rectangle in Histogram	Array, Stack	Hard
Longest Absolute File Path	Stack	Medium
Min Stack	Stack, Design	Easy
Minimum Add to Make Parentheses Valid	Stack, Greedy	Medium
Minimum Number of Swaps to Make the String Balanced	Stack, Greedy	Medium
Next Greater Element I	Stack	Easy
Next Greater Element II	Stack	Medium
Parsing a Boolean Expression	String, Stack, Re	Hard
Simplify Path	Stack, String	Medium
Sliding Window Maximum	Heap, Sliding Wi	Hard
Time Needed to Buy Tickets	DP	Medium
Valid Parentheses	Stack, String	Easy
Minimum Number of Platforms Required		
Implement Queue Using LinkedList		
Reverse stack using recursion		
Sort stack using recursion		
Implement Stack using LinkedList		
Design Circular Queue	Queue	Medium

Problems	Tags	Level
All Possible Full Binary Trees	Binary Trees, DP	Medium
Binary Tree Level Order Traversal II	Binary Trees, Breadth First Search	Medium
Binary Tree Level Order Traversal	Binary Trees, Breadth First Search	Medium
Binary Tree Right Side View	Binary Trees, Depth First Search	Medium
Binary Tree Zigzag Level Order Traversal	Binary Trees, Breadth First Search	Medium
Construct Binary Tree from Inorder and Postorder Travers	Binary Trees	Medium
Construct Binary Tree from Preorder and Inorder Traversa	Binary Trees	Medium
Diameter of Binary Tree	Binary Trees, Depth First Search	Easy
Largest Sum Subtree	Binary Trees, Depth First Search	Medium
Leaf to Leaf Max Sum	Binary Trees, Depth First Search	Medium
Left View of Binary Tree	Binary Trees	Medium
Lowest Common Ancestor of a Binary Tree	Binary Trees	Medium
Mirror of Binary Tree	Binary Trees	Easy
Populating Next Right Pointers in Each Node II	Binary Trees	Medium
Print Ancestors of Binary Tree	Binary Trees, Depth First Search	Medium
Print Root to Leaf Paths	Binary Trees, Depth First Search	Medium
Root to Leaf Max Sum	Binary Trees, Depth First Search	Medium
Serialize Deserialize BT	Binary Trees	Medium
Vertical Order Traversal	Binary Trees, Breadth First Search	Medium
Maximum Depth of Binary Tree	Binary Trees, Depth First Search	Easy
Symmetric Tree	Binary Trees, Depth First Search	Easy
Path Sum	Binary Trees, Depth First Search	Easy
Invert Binary Tree	Binary Trees	Easy
Subtree of Another Tree	Binary Trees, Depth First Search	Easy
Count Complete Tree Nodes	Binary Trees	Medium
Binary Tree Maximum Path Sum	Binary Trees, Depth First Search	Hard
Flatten Binary Tree to Linked List	Binary Trees, Depth First Search	Medium
Binary Tree Upside Down	Binary Trees	Medium
All Nodes Distance K in Binary Tree	Binary Trees, Depth First Search	Medium
Binary Search Tree Iterator	Binary Trees	Medium
Count Complete Tree Nodes - LeetCode	Binary Trees	Medium
Binary Tree Level Order Traversal	Binary Trees, Breadth First Search	Medium
Average of Levels in Binary Tree	Binary Trees, Breadth First Search	Easy

Topics	Problems	Tags	Level
	Kth Smallest Element in a BST	Tree, Binary Search	Medium
	Serialize and Deserialize BST	Tree	Medium
	Unique Binary Search Trees II	DP, Tree	Medium
	Unique Binary Search Trees	DP, Tree	Medium
	Convert Sorted List to Binary Search Tree	Linked List, Depth-First Search, Binary Search, Recursion	Medium
	Sorted Array to BST	Array, Depth-First Search, Binary Search, Recursion	Medium
	Validate Binary Search Tree	Tree, Depth-First Search, Binary Search	Medium
	Binary Search Tree Iterator	Tree, Design, Stack	Medium
	Delete Node in a BST	Tree, Depth-First Search, Binary Search	Medium
	Construct Binary Search Tree from Preorder Traversal	Tree	Medium
	Balance a Binary Search Tree	Tree, Depth-First Search	Medium
BST	Maximum Sum BST in Binary Tree	DP, Tree, Depth-First Search, Binary Search	Hard
	Impement MinHeap	Heap, Design	Medium
	Find Median from Data Stream	Heap, Design, Data Stream	Hard
	Design Twitter	Hash Table, Heap, Design	Medium
	Merge k Sorted Lists	Linked List, Divide and Conquer, Heap, Merge Sort	Hard
	Design a Food Rating System	Design	Medium
Heap	Reward Top K Students	Heap, Design	Medium
	Implement Trie (Prefix Tree)	Design, Trie	Medium
	Design Add and Search Words Data Structure	Backtracking, Design, Trie	Medium
Trie	Word Search II	Backtracking, Trie	Hard
	Implement Segment Trees	Segment Tree	Medium
	Range Frequency Queries	Segment Tree, Binary Indexed Tree	Medium
Segment Tree	My Calendar I	Array, Ordered Map	Medium
	Implement Union-FInd		
	Find if Path Exists in Graph	Graph, Depth-First Search, Breadth-First Search	Easy
	Number of Islands	Depth-First Search, Breadth-First Search, Union Find	Medium
Disjoint Sets	Surrounded Regions	Depth-First Search, Breadth-First Search, Union Find	Medium
LRU Cache	LRU Cache	Design, Linked List, Hash Table	Medium

	Number of Islands
	Surrounded Regions
	Clone Graph
	Course Schedule
	Course Schedule II
	Snakes and Ladders
	Word Ladder
	Alien Dictionary
	Longest Increasing Path in a Matrix
	All Paths From Source to Target
Questions	Cheapest Flights Within K Stops
	Accounts Merge
	Redundant Connection
	Shortest Cycle in a Graph
	Longest Cycle in a Graph
Connectivity	Union Find, DFS, BFS
Shorted Path Problem	**Unweighted Graph**: BFS, **Weighted Graph:** Dijkstra's, Bellman Ford, Floyd Warshall, A*
Detecting Cycle in Graph	DFS, BFS
Detecting Negative Cycles in a Graph	Bellman Ford, Floyd Warshall
Minimum Spanning Tree	Prim's, Kruskal's,
Bridges / Articulation Points	
Network Flow	Ford Fulkersons, Edmonds-Karp & Dini's algorithms.
Strongly Connected Components	Tarzan, Kosaraju
Travelling Salesman problem	NP-Hard Problem, Approximations only Branch and Bound, Held-Karp, etc.

Problem Name	Difficulty	Tags
01-Knapsack	Medium	DP, Knapsack
Binomial Coefficient	Medium	DP, Mathematics
Catalan Number	Medium	DP, Mathematics
Coin Change	Medium	DP, Coin Change
Count Palindromic Substrings	Medium	DP, String, Palindrome
Edit Distance	Hard	DP, String
Jump Game	Medium	DP, Greedy
Longest Common Subsequence	Medium	DP, String
Longest Increasing Path in a Matrix	Hard	DP, DFS, Matrix
Longest Increasing Subsequence	Medium	DP, Binary Search
Longest Palindromic Subsequence	Medium	DP, String, Palindrome
Longest Palindromic Substring	Medium	DP, String, Palindrome
Longest Sum Increasing Subsequence	Medium	DP, Binary Search
Maximize Palindrome Length from Subsequences	Medium	DP, String, Palindrome
Min Coins	Medium	DP, Coin Change
Minimum Path Sum	Medium	DP, Matrix
Rod Cutting	Medium	DP
Subset Sum	Medium	DP
Unique Paths	Medium	DP
Maximum Subarray	Easy	DP, Array
House Robber	Easy	DP, Array
Decode Ways	Medium	DP
Word Break	Medium	DP
Palindrome Partitioning II	Hard	DP, String
Distinct Subsequences	Hard	DP, String
Best Time to Buy and Sell Stock	Easy	DP, Array
Best Time to Buy and Sell Stock II	Easy	DP, Array, Greedy
Best Time to Buy and Sell Stock III	Hard	DP, Array
Palindromic Substrings	Medium	DP, String, Palindrome
Interleaving String	Hard	DP, String
Regular Expression Matching	Hard	DP, String, Recursion, Backtracking
Wildcard Matching	Hard	DP, String, Recursion, Backtracking
Unique Binary Search Trees	Medium	DP, Tree, BST
Coin Change II	Medium	DP, Coin Change
Partition Equal Subset Sum	Medium	DP, Subset Sum
Unique Paths II	Medium	DP