Top Interview Questions by Topic (With Difficulty and LeetCode Number)

Arrays and Strings

- Longest Substring Without Repeating Characters (#3, Medium)
- String to Integer (atoi)
- Roman to Integer
- 3Sum (#15, Medium)
- Remove Duplicates from Sorted Array
- Next Permutation (#31, Medium)
- Multiply Strings (#43, Medium)
- Group Anagrams
- Add Binary
- Minimum Window Substring (#76, Hard)
- Merge Sorted Array
- Valid Palindrome
- Read N Characters Given Read4
- Read N Characters Given Read4 II - Call multiple times
- One Edit Distance
- Product of Array Except Self
- Integer to English Words
- Move Zeroes
- Longest Substring with At Most K Distinct Characters
- Validate IP Address
- Subarray Sum Equals K
- Valid Palindrome II

Linked Lists

- Add Two Numbers (#2, Medium)
- Merge Two Sorted Lists (#21, Easy)
- Copy List with Random Pointer (#138, Medium)
- Reorder List

Trees and Graphs

- Validate Binary Search Tree
- Flatten Binary Tree to Linked List
- Binary Tree Maximum Path Sum (#124, Hard)
- Clone Graph
- Binary Tree Right Side View
- Number of Islands (#200, Medium)
- Lowest Common Ancestor of a Binary Tree
- Binary Tree Paths
- Alien Dictionary
- Shortest Distance from All Buildings
- Diameter of Binary Tree (#543, Easy)
- Accounts Merge
- Convert Binary Search Tree to Sorted Doubly Linked List
- Is Graph Bipartite?
- Binary Tree Vertical Order Traversal

Recursion

- Letter Combinations of a Phone Number
- Permutations
- Permutations II
- Remove Invalid Parentheses
- Regular Expression Matching
- Subsets
- Strobogrammatic Number II

Sorting and Searching

- Divide Two Integers
- Search in Rotated Sorted Array
- Find First and Last Position of Element in Sorted Array (#34, Medium)
- Pow(x, n)
- Merge Intervals (#56, Medium)
- Find Peak Element
- First Bad Version
- Intersection of Two Arrays
- Intersection of Two Arrays II

Dynamic Programming

- Longest Palindromic Substring (#5, Medium)
- Longest Valid Parentheses
- Decode Ways
- Best Time to Buy and Sell Stock (#121, Easy)
- Word Break
- Range Sum Query 2D - Immutable
- Continuous Subarray Sum

Design

- LRU Cache (#146, Medium)
- Binary Search Tree Iterator
- Add and Search Word - Data structure design
- Serialize and Deserialize Binary Tree

Others

- Expression Add Operators
- Find All Anagrams in a String
- Permutation in String
- Verifying an Alien Dictionary
- Interval List Intersections

SQL

- Second Highest Salary

- Nth Highest Salary

- Customers Who Never Order

- Friend Requests I: Overall Acceptance Rate

- Friend Requests II: Who Has the Most Friends

- Department Top Three Salaries