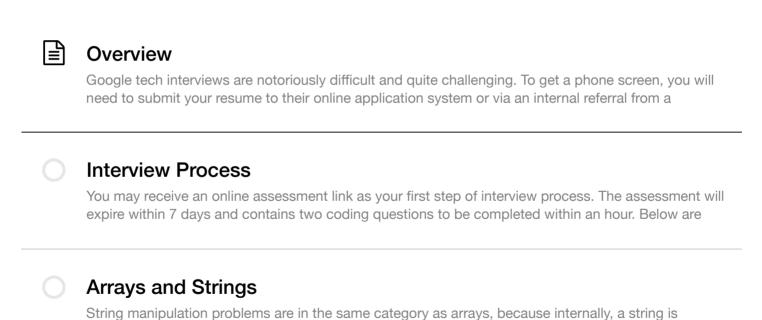


Get Well Prepared for

## **Google Interview**



## Linked Lists

According to our user survey data, Linked List problems are not asked frequently at Google. Perhaps, most linked list problems are not that complex and it is harder to ask follow up and complexity

represented as an array of characters. Array problems usually do not require knowledge of advanced

0	Trees and Graphs  Tree is just a special case of graph. To understand the difference between trees and graphs, you can work on Graph Valid Tree. Graphs are generally breath-first search or depth-first search. The same
	Recursion
	Recursion usually involves some kind of backtracking to enumerate all possibilities. Note that Recursion is a more general purpose algorithm. Depth-First search is a specific form of backtracking
	Sorting and Searching
	Interval related problems are quite often asked at Google interviews. Similar to "Arrays and Strings", interval related problems can be asked in the context of data stream.
	Dynamic Programming
	It can be tricky to identify the subproblems and connect them, which is essential in solving Dynamic Programming problems. Dynamic programming is not that scary as you might think, and you can
	Design
	Google loves to ask lots of question variations based on the Iterator pattern, so make sure you are familiar with the concept of iterators and how iterators work in principle. A good way to learn is to read
	Others
	Here are other type of problems you may encounter in a Google interview, such as Bit Manipulation.



3 topics - share ideas and ask questions about this card

## Introduction









Google tech interviews are notoriously difficult and quite challenging. To get a phone screen, you will need to submit your resume to their online application system or via an internal referral from a Googler.

Assuming you passed their resume screen, a recruiter will reach out to you. Usually there will be two phone screens, and if you do well, you'll be invited to onsite interviews.

Since Google operates at a large scale, be prepared to answer lots of follow up questions on how to scale the algorithm you wrote for multiple machines. Some examples are: Number of Islands (https://leetcode.com/problems/number-of-islands) and Intersection of Two Arrays II (https://leetcode.com/problems/intersection-of-two-arrays-ii/description/).

Last updated: May 16, 2019

**Interview Process** 



M Unique Email Addresses

☐ ⓓ Odd Even Jump
☐ Ӣ License Key Formatting
☐ Ӣ Fruit Into Baskets
☐ A Google Phone Interview
☐ A Google Onsite Interview
☐ A Google Hiring Committee
☐ A Google Offer Review
Arrays and Strings
☐ ☑ Longest Substring Without Repeating
☐ Ӣ Container With Most Water
☐ 🖟 3Sum
☐ Ӣ Next Permutation
☐ ⓓ Multiply Strings

Ø F	Rotate Image	
_ @ J	lump Game	
☐ Ø F	Plus One	
☐ Ø N	/Inimum Window Substring	
Ø F	Read N Characters Given Read4 II - C	<b>-</b>
@ L	ongest Substring with At Most Two	<b>-</b>
☐ Ø N	Missing Ranges	<b>-</b>
□ Ø N	Next Closest Time	<b>-</b>
Ø E	Expressive Words	
	Find And Replace in String	
☐ Ø N	Maximize Distance to Closest Person	
_	alid Parentheses	
☐ Ø N	Лerge k Sorted Lists	

☐ Ӣ Trapping Rain Water		
☐ Ӣ Kth Largest Element in an Array		
☐ Ӣ Meeting Rooms II		
☐ Ӣ Backspace String Compare		
☐ Ӣ Minimum Cost to Hire K Workers		
☐ ☑ K Closest Points to Origin		
Linked Lists		
Linked Lists		
Linked Lists  ☐  ☐ Add Two Numbers		
☐ Ӣ Add Two Numbers		
☐ ☑ Add Two Numbers ☐ ☑ Remove Nth Node From End of List		
□		

☐ ☑ Binary Tree Maximum Path Sum
☐ Ӣ Word Ladder
☐ Ӣ Number of Islands
☐ Ӣ Course Schedule II
☐ Ӣ Count Complete Tree Nodes
☐ Ib Longest Increasing Path in a Matrix
☐ Ӣ Decode String
☐ Ӣ Evaluate Division
☐ Ӣ Diameter of Binary Tree
☐ Ӣ Cracking the Safe
☐ Ӣ Robot Room Cleaner
☐ Most Stones Removed with Same Ro
☐ Ӣ Flip Equivalent Binary Trees

Recursion	
☐ ☑ Word Squares	<b>₽</b>
☐	£
☐ Ӣ Word Search II	
☐ Ӣ Android Unlock Patterns	₽
☐ ☑ Letter Combinations of a Phone Num	
☐ ြ Generate Parentheses	
Sorting and Searching	
☐ Ӣ Median of Two Sorted Arrays	
☐ ☑ Find First and Last Position of Elemen	
☐ Merge Intervals	
☐ Ӣ Insert Interval	
☐ Ӣ Valid Anagram	

☐ ☑ Count of Smaller Numbers After Self
☐ ☑ Peak Index in a Mountain Array
Dynamic Programming
☐
☐ Ӣ Maximum Subarray
☐ Ӣ Best Time to Buy and Sell Stock
☐ Ӣ Maximum Product Subarray
☐ Ӣ Coin Change
☐ Ӣ Split Array Largest Sum
Design
☐ Ӣ LRU Cache
☐ Ӣ Min Stack

☐ ☑ Serialize and Deserialize Binary Tree		
☐ 🖟 Logger Rate Limiter		
☐ Ӣ Insert Delete GetRandom O(1)		
☐		
Others		
☐ Ӣ Reverse Integer		
☐ ⓓ Candy		
☐ ☑ Isomorphic Strings		
☐ ⓓ Strobogrammatic Number		
☐ Ӣ Bulls and Cows		
☐ Ӣ Range Sum Query 2D - Mutable		
☐ Ӣ My Calendar II		
☐ Ӣ Jewels and Stones		

☐	ng						
☐							
☐ Minimum Area Rectangle							
Copyright © 2019 LeetCode	Help Center (/support/)   Terms (/terms/)   Privacy (/privacy/)	United States					