2/19/22, 8:42 AM Explore - LeetCode --(/) Explore(/explore/) Problems(/problemset/all/) Interview (contest) biscus (discus (discus (https://leetcode.com/jobs/) ◆ Back to Explore (/explore/) ☆ Favorite Top Questions from

Microsoft

	Overview Top interview questions asked by Microsoft as voted by the community. We compiled this list thoroughly so you can save time and get well-prepared for a Microsoft interview. Completing this card should give you a good idea of the type of
0	Arrays and Strings Microsoft likes to ask simple array questions. Reverse Words in a String is one the popular questions. Get warmed up by practicing Reverse String first.
	Linked Lists These are some popular Linked List questions being asked by Microsoft. We recommend Reverse Linked List, Linked List Cycle, Merge k Sorted Lists, Intersection of Two Linked Lists and Copy List with Random Pointers.
0	Trees and Graphs Validate Binary Tree, Binary Tree Level Order Traversal and Binary Tree Inorder Traversal are frequently asked by Microsoft. Microsoft does not ask a lot of graph type questions but you should still know the basics of graphs.
	Backtracking We recommend Letter Combinations of a Phone Number and Word Search II.
	Sorting and Searching We recommend Sort Colors and Search a 2D Matrix.
	Dynamic Programming Microsoft does not ask a lot of Dynamic Programming type questions, but question such as Longest Increasing Subsequence has been asked in a Microsoft onsite interviews.
	Design These are some design questions for you to practice for your Microsoft interview. You should practice both Serialize and Deservative Rinary Tree/RST. Make sure for the RST variant that you use the special properties of RST for the serialization.

Others

Here are some other questions for you to practice which are not in the previous chapters, so you can prepare for your Microsoft interview. We recommend Find the Celebrity, Excel Sheet Column Number and The Skyline Problem.

Discuss 2 topics - share ideas and ask questions about this card (/discuss/explore/microsoft)

Introduction





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We compiled this list thoroughly so you can save time and get well-prepared for a Microsoft interview.

Completing this card should give you a good idea of the type of questions you would encounter in your Microsoft interview.

Arrays and Strings	
✓ 🖟 Two Sum	
✓ ☑ Valid Palindrome	
☐ ☑ String to Integer (atoi)	
☐ Ӣ Reverse String	
☐	
☐	₽
☐ Ø Valid Parentheses	
☐	
☐ ⓓ Group Anagrams	
☐ ⓓ Trapping Rain Water	
☐	
☐ Ӣ Rotate Image	
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Linked Lists	
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☐ Merge k Sorted Lists	
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☐ ☑ Copy List with Random P	
Trees and Graphs	
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☑ Binary Tree Inorder Trave
☐ ⓓ Binary Tree Level Order T
☐ ⓓ Binary Tree Zigzag Level
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☐ Ӣ Populating Next Right Po
☐ I Lowest Common Ancest
☐ I Lowest Common Ancest
☐ ⓓ Construct Binary Tree fr
☐ Ӣ Number of Islands
☐ ⓓ Clone Graph
Backtracking
☐ ☑ Letter Combinations of a
☐ Mord Search II
☐ Ø Wildcard Matching
☐ Ӣ Regular Expression Matc
Sorting and Searching
☐ Ӣ Remove Duplicates from
☐ Merge Sorted Array
☐ 🖟 Sort Colors
☐ 🖟 Find Minimum in Rotated
☐ 🖟 Find Minimum in Rotated
☐ 🖟 Search in Rotated Sorted
☐ 🖟 Search a 2D Matrix
☐ 🖟 Search a 2D Matrix II
☐ ☑ Median of Two Sorted Ar
Dynamic Programming
☐ ☑ Best Time to Buy and Sel

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Design		
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☐ ⓓ LRU Cache		
Others		
☐ Ø Single Number		
☐ Թ Roman to Integer		
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☐		
☐ M Integer to English Words		
□ 励 The Skyline Problem		
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