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☆ Favorite

Top Questions from

Microsoft



Overview

Top interview questions asked by Microsoft as voted by the community. We compiled



Arrays and Strings

Microsoft likes to ask simple array questions. Reverse Words in a String is one if the



Linked Lists

These are some popular Linked List questions being asked by Microsoft. We



Trees and Graphs

Validate Binary Tree, Binary Tree Level Order Traversal and Binary Tree Inorder Traversal



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



Design

These are some design questions for you to practice for your Microsoft interview. You



Others

Here are some other questions for you to practice which are not in the previous

Introduction



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 questions you would encounter in your Microsoft interview.

Arrays and Strings

<input checked="" type="checkbox"/> Two Sum	<input checked="" type="checkbox"/> Valid Palindrome
<input checked="" type="checkbox"/> String to Integer (atoi)	<input type="checkbox"/> Reverse String
<input type="checkbox"/> Reverse Words in a String	<input type="checkbox"/> Reverse Words in a String II
<input checked="" type="checkbox"/> Valid Parentheses	<input checked="" type="checkbox"/> Longest Palindromic Substring
<input checked="" type="checkbox"/> Group Anagrams	<input checked="" type="checkbox"/> Trapping Rain Water
<input type="checkbox"/> Set Matrix Zeroes	<input checked="" type="checkbox"/> Rotate Image
<input type="checkbox"/> Spiral Matrix	


Linked Lists


<input type="checkbox"/> Reverse Linked List	<input checked="" type="checkbox"/> Linked List Cycle
<input checked="" type="checkbox"/> Add Two Numbers	<input checked="" type="checkbox"/> Add Two Numbers II
<input checked="" type="checkbox"/> Merge Two Sorted Lists	<input checked="" type="checkbox"/> Merge k Sorted Lists

Discuss

1 topic - share
ideas and ask


(/discuss/explore/microsoft)

☒  Intersection of Two Linked Lists

☒  Copy List with Random Pointer

Trees and Graphs



☒  Validate Binary Search Tree


☐  Binary Tree Inorder Traversal


☐  Binary Tree Level Order Traversal


☐  Binary Tree Zigzag Level Order T...


☒  Populating Next Right Pointers i...


☒  Populating Next Right Pointers i...

☐  Lowest Common Ancestor of a B...

☐  Lowest Common Ancestor of a B...


☐  Construct Binary Tree from Preor...

☒  Number of Islands

☒  Clone Graph


Backtracking



☒  Letter Combinations of a Phone ...

☒  Word Search II

☐  Wildcard Matching

☐  Regular Expression Matching


Sorting and Searching





☒  Remove Duplicates from Sorted ...


☒  Merge Sorted Array

☐  Sort Colors


☐  Find Minimum in Rotated Sorted...

☐  Find Minimum in Rotated Sorted...

☒  Search in Rotated Sorted Array


☒  Search a 2D Matrix


☒  Search a 2D Matrix II

☒  Median of Two Sorted Arrays

Dynamic Programming




☒  Best Time to Buy and Sell Stock

☒  Maximum Subarray











☐  Longest Increasing Subsequence

Design



☒  Serialize and Deserialize BST

☒  Serialize and Deserialize Binary T...

<input type="checkbox"/>  Implement Trie (Prefix Tree)	<input checked="" type="checkbox"/>  LRU Cache
Others 	
<input checked="" type="checkbox"/>  Single Number	<input checked="" type="checkbox"/>  Roman to Integer
<input checked="" type="checkbox"/>  Excel Sheet Column Number	<input checked="" type="checkbox"/>  Find the Celebrity 
<input checked="" type="checkbox"/>  Integer to English Words	<input checked="" type="checkbox"/>  The Skyline Problem