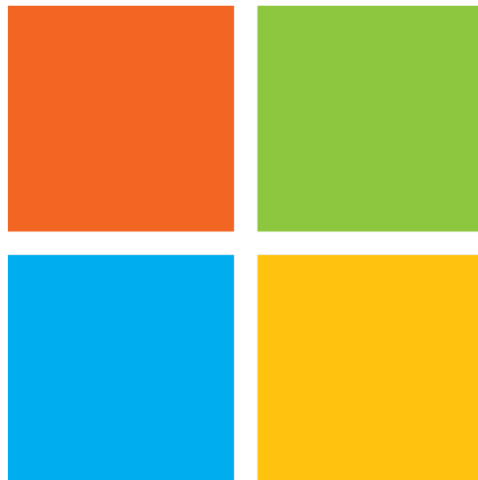


Mostly Asked Microsoft Interview Questions in One Year



Maximum Length of a Concatenated String with Unique Characters	47.80%	Medium	1.087461
Integer to English Words	27.10%	Hard	1.018431
LRU Cache	33.20%	Medium	0.949402
Design Tic-Tac-Toe	54.30%	Medium	0.880373
Copy List with Random Pointer	36.40%	Medium	0.811344
Spiral Matrix	34.10%	Medium	0.768486
Serialize and Deserialize N-ary Tree	59.40%	Hard	0.699456
Palindrome Removal	46.00%	Hard	0.679435
Number of Islands	46.80%	Medium	0.6346
Valid Tic-Tac-Toe State	32.60%	Medium	0.625706
Trapping Rain Water	48.90%	Hard	0.617663
Two Sum	45.60%	Easy	0.58162
The Skyline Problem	34.60%	Hard	0.576976
Gas Station	38.50%	Medium	0.568767
Reverse Nodes in k-Group	42.10%	Hard	0.554802
Longest Palindromic Substring	29.50%	Medium	0.553509
Word Search II	34.90%	Hard	0.539306
Swap For Longest Repeated Character Substring	49.00%	Medium	0.538997
Longest Substring with At Most K Distinct Characters	44.10%	Hard	0.522781
Boundary of Binary Tree	38.90%	Medium	0.51844
Merge k Sorted Lists	40.20%	Hard	0.49123
Inorder Successor in BST II	58.00%	Medium	0.473327
Restore IP Addresses	35.60%	Medium	0.472371
String Compression	41.30%	Easy	0.464826
Recover Binary Search Tree	39.70%	Hard	0.46024
Validate IP Address	24.10%	Medium	0.445585
Validate Binary Search Tree	27.80%	Medium	0.430023
Add Two Numbers II	54.50%	Medium	0.421465
Serialize and Deserialize Binary Tree	47.50%	Hard	0.414186
Reverse Words in a String III	69.80%	Easy	0.403966
24 Game	46.40%	Hard	0.401341
Search a 2D Matrix II	43.20%	Medium	0.396865
Implement Queue using Stacks	49.60%	Easy	0.390467
Meeting Rooms II	45.70%	Medium	0.375897
Implement Rand10() Using Rand7()	46.30%	Medium	0.374693
Generate Parentheses	62.70%	Medium	0.362601
Word Ladder	29.60%	Medium	0.359968
Largest Number	28.80%	Medium	0.352302
Day of the Week	64.00%	Easy	0.348989
Populating Next Right Pointers in Each Node	45.20%	Medium	0.346573
Longest Duplicate Substring	31.90%	Hard	0.337849
Web Crawler	64.30%	Medium	0.336472
Encode N-ary Tree to Binary Tree	70.80%	Hard	0.330854
Encode and Decode TinyURL	79.90%	Medium	0.326315
Lowest Common Ancestor of a Binary Tree	45.70%	Medium	0.324076
Delete Node in a BST	43.10%	Medium	0.321256
Maximum Subarray	46.50%	Easy	0.312351



Reverse Linked List	62.50%	Easy	0.31191
Construct Binary Tree from Preorder and Inorder Traversal	48.80%	Medium	0.308385
Search in Rotated Sorted Array	34.50%	Medium	0.305041
Merge Two Sorted Lists	53.50%	Easy	0.302153
Count Unique Characters of All Substrings of a Given String	45.20%	Hard	0.297252
Wildcard Matching	24.70%	Hard	0.296354
Min Stack	44.50%	Easy	0.295594
String to Integer (atoi)	15.40%	Medium	0.294852
Search a 2D Matrix	36.50%	Medium	0.291078
Reorganize String	48.70%	Medium	0.288686
Reverse Words in a String II	43.30%	Medium	0.281167
Letter Combinations of a Phone Number	46.80%	Medium	0.276675
Binary Tree Maximum Path Sum	34.30%	Hard	0.27157
Permutations	63.50%	Medium	0.266411
Next Greater Element III	31.70%	Medium	0.261904
Sudoku Solver	43.60%	Hard	0.257829
Add Two Numbers	33.90%	Medium	0.251239
Merge Intervals	39.30%	Medium	0.248256
Design Circular Queue	43.80%	Medium	0.245493
Design Search Autocomplete System	44.70%	Hard	0.2444
Find the Celebrity	41.80%	Medium	0.240031
Battleships in a Board	70.00%	Medium	0.23987
Basic Calculator III	41.30%	Hard	0.232252
Basic Calculator	36.80%	Hard	0.230742
Remove Comments	34.60%	Medium	0.229733
Max Chunks To Make Sorted II	48.70%	Hard	0.227679
Median of Two Sorted Arrays	29.60%	Hard	0.223222
Group Anagrams	56.90%	Medium	0.218272
Circular Array Loop	29.40%	Medium	0.214725
Find Median from Data Stream	44.30%	Hard	0.203748
Swap Nodes in Pairs	50.40%	Medium	0.202683
Reverse Words in a String	21.90%	Medium	0.200139
Product of Array Except Self	60.10%	Medium	0.200098
Bulb Switcher III	62.60%	Medium	0.196226
Rearrange String k Distance Apart	34.90%	Hard	0.190044
Valid Parentheses	39.00%	Easy	0.188855
Binary Tree Level Order Traversal	54.60%	Medium	0.186536
Implement Stack using Queues	45.10%	Easy	0.184874
LFU Cache	34.20%	Hard	0.179435
First Missing Positive	32.00%	Hard	0.177782
Sliding Puzzle	59.30%	Hard	0.176279
Best Time to Buy and Sell Stock	50.50%	Easy	0.175539
Word Break	40.10%	Medium	0.174962
Exclusive Time of Functions	51.90%	Medium	0.174948
Binary Tree Zigzag Level Order Traversal	48.30%	Medium	0.172707
Valid Sudoku	48.70%	Medium	0.167306
Regular Expression Matching	26.80%	Hard	0.165777



Text Justification	27.70%	Hard	0.161432
Single Element in a Sorted Array	57.90%	Medium	0.160917
Max Stack	42.60%	Easy	0.160827
Longest Substring Without Repeating Characters	30.40%	Medium	0.158406
Maximal Rectangle	37.70%	Hard	0.152231
Word Ladder II	22.10%	Hard	0.151358
Design Hit Counter	63.70%	Medium	0.148996
Design HashMap	61.30%	Easy	0.147688
3Sum	26.80%	Medium	0.147604
Excel Sheet Column Title	31.10%	Easy	0.146246
Knight Probability in Chessboard	48.90%	Medium	0.144656
Snakes and Ladders	38.40%	Medium	0.144656
Rotate Image	56.70%	Medium	0.143697
All Nodes Distance K in Binary Tree	55.40%	Medium	0.143158
Rectangle Overlap	48.60%	Easy	0.14261
Sort Colors	47.30%	Medium	0.14098
Course Schedule	43.10%	Medium	0.140227
Search in a Sorted Array of Unknown Size	66.90%	Medium	0.137832
Merge Sorted Array	39.40%	Easy	0.137781
Parallel Courses	61.10%	Hard	0.137201
Longest Consecutive Sequence	45.10%	Hard	0.13583
Reorder List	37.10%	Medium	0.133386
Set Matrix Zeroes	43.10%	Medium	0.133267
Serialize and Deserialize BST	52.00%	Medium	0.13275
Inorder Successor in BST	40.40%	Medium	0.132048
Sort List	42.30%	Medium	0.129297
Binary Search Tree Iterator	56.60%	Medium	0.127867
Random Pick with Weight	43.90%	Medium	0.126173
Count of Smaller Numbers After Self	41.50%	Hard	0.12231
Candy	31.60%	Hard	0.114084
Design Bounded Blocking Queue	70.50%	Medium	0.110305
Alien Dictionary	33.30%	Hard	0.109133
Max Area of Island	62.70%	Medium	0.10877
Count Primes	31.50%	Easy	0.107558
Moving Average from Data Stream	70.90%	Easy	0.105628
Read N Characters Given Read4 II - Call multiple times	33.80%	Hard	0.100905
Sqrt(x)	33.90%	Easy	0.09856
Populating Next Right Pointers in Each Node II	39.10%	Medium	0.098118
Rotate Array	34.70%	Easy	0.096172
Max Points on a Line	16.90%	Hard	0.095882
Intersection of Two Linked Lists	40.60%	Easy	0.094852
Compare Version Numbers	27.40%	Medium	0.09484
Missing Number	51.70%	Easy	0.094465
Convert Binary Search Tree to Sorted Doubly Linked List	59.10%	Medium	0.093526
Minimum Window Subsequence	41.80%	Hard	0.092946
Sliding Window Maximum	43.00%	Hard	0.092711
Palindrome Permutation	61.90%	Easy	0.091249



Meeting Rooms	54.60%	Easy	0.090202
Reverse Linked List II	38.80%	Medium	0.090151
Permutation in String	44.40%	Medium	0.089956
Word Search	35.60%	Medium	0.089584
Print Zero Even Odd	56.00%	Medium	0.089345
Insert Delete GetRandom O(1)	47.50%	Medium	0.085097
Shortest Distance from All Buildings	41.40%	Hard	0.083459
Jump Game II	30.60%	Hard	0.082806
Roman to Integer	55.70%	Easy	0.082378
Diameter of Binary Tree	48.40%	Easy	0.081688
Gray Code	49.10%	Medium	0.081126
Multiply Strings	33.90%	Medium	0.079442
Longest Valid Parentheses	28.40%	Hard	0.079162
Implement Trie (Prefix Tree)	49.40%	Medium	0.07911
Coin Change	35.50%	Medium	0.078597
Path In Zigzag Labelled Binary Tree	72.00%	Medium	0.07786
Valid Palindrome	36.70%	Easy	0.07767
Sum Root to Leaf Numbers	49.10%	Medium	0.07708
Combinations	54.70%	Medium	0.075978
Basic Calculator II	36.90%	Medium	0.075088
Minimum Window Substring	34.60%	Hard	0.073784
Letter Tile Possibilities	75.40%	Medium	0.073502
Find Minimum in Rotated Sorted Array	45.10%	Medium	0.073436
Clone Graph	34.80%	Medium	0.070952
Find All Anagrams in a String	43.30%	Medium	0.070868
Find All Duplicates in an Array	67.80%	Medium	0.070831
Kth Smallest Element in a Sorted Matrix	54.30%	Medium	0.070591
Palindrome Linked List	39.30%	Easy	0.070181
All O`one Data Structure	32.40%	Hard	0.068874
Excel Sheet Column Number	55.90%	Easy	0.067998
Odd Even Linked List	55.70%	Medium	0.066778
Binary Tree Coloring Game	51.20%	Medium	0.065922
Find the Duplicate Number	55.50%	Medium	0.065391
Max Chunks To Make Sorted	54.80%	Medium	0.064748
Subtree of Another Tree	44.10%	Easy	0.063618
Fizz Buzz	62.30%	Easy	0.062716
Spiral Matrix II	53.90%	Medium	0.061724
Balanced Binary Tree	43.50%	Easy	0.061537
Rotate List	30.00%	Medium	0.060478
Shuffle an Array	52.80%	Medium	0.059652
Course Schedule III	33.50%	Hard	0.058582
Longest Palindromic Subsequence	53.20%	Medium	0.058432
Pacific Atlantic Water Flow	41.10%	Medium	0.057524
Frog Jump	39.70%	Hard	0.057414
Reveal Cards In Increasing Order	74.60%	Medium	0.056592
Two Sum IV - Input is a BST	55.50%	Easy	0.055725
Kth Largest Element in a Stream	49.70%	Easy	0.054472



Reconstruct Itinerary	36.70%	Medium	0.053921
Meeting Scheduler	52.70%	Medium	0.05356
Word Break II	32.60%	Hard	0.053439
Unique Paths II	34.60%	Medium	0.053249
Walls and Gates	54.50%	Medium	0.051558
Next Closest Time	45.00%	Medium	0.050452
Combination Sum	56.10%	Medium	0.050304
Lowest Common Ancestor of a Binary Search Tree	49.90%	Easy	0.050282
First Unique Character in a String	53.40%	Easy	0.050102
Binary Tree Right Side View	54.10%	Medium	0.050017
Decode String	50.00%	Medium	0.04998
Coin Change 2	50.20%	Medium	0.049195
Pancake Sorting	67.50%	Medium	0.04909
Employee Free Time	66.30%	Hard	0.048612
Count and Say	44.60%	Easy	0.047957
Remove Duplicates from Sorted Array	45.10%	Easy	0.047676
Longest Mountain in Array	37.20%	Medium	0.047458
Vertical Order Traversal of a Binary Tree	36.60%	Medium	0.045618
Valid Palindrome II	36.60%	Easy	0.044706
Knight Dialer	45.20%	Medium	0.044452
Minesweeper	59.10%	Medium	0.044255
Flood Fill	55.30%	Easy	0.044133
Fibonacci Number	67.20%	Easy	0.043652
The Maze	51.40%	Medium	0.042879
Accounts Merge	48.80%	Medium	0.042003
K-diff Pairs in an Array	31.60%	Easy	0.041673
Backspace String Compare	46.40%	Easy	0.0415
Insert Delete GetRandom O(1) - Duplicates allowed	34.10%	Hard	0.0415
Max Consecutive Ones III	59.10%	Medium	0.041252
Unique Paths	54.10%	Medium	0.040841
Shortest Word Distance	61.00%	Easy	0.04078
Sum of Subarray Minimums	32.30%	Medium	0.040697
Binary Tree Inorder Traversal	63.30%	Medium	0.040345
Linked List Cycle II	37.30%	Medium	0.040341
Binary Tree Vertical Order Traversal	45.30%	Medium	0.040077
Find And Replace in String	50.40%	Medium	0.039846
Path Sum II	46.70%	Medium	0.038578
Design a Stack With Increment Operation	74.70%	Medium	0.038356
Subarray Sum Equals K	43.90%	Medium	0.037871
Remove K Digits	28.40%	Medium	0.037551
Remove Nth Node From End of List	35.20%	Medium	0.03705
Next Permutation	32.60%	Medium	0.036861
Task Scheduler	50.10%	Medium	0.036826
My Calendar I	51.80%	Medium	0.036434
Shortest Bridge	48.20%	Medium	0.036072
Find N Unique Integers Sum up to Zero	76.30%	Easy	0.035409
Implement strStr()	34.50%	Easy	0.034941



Longest Common Subsequence	58.40%	Medium	0.034885
Insert into a Binary Search Tree	77.70%	Medium	0.034592
Convert Sorted Array to Binary Search Tree	57.90%	Easy	0.034217
Maximum Depth of Binary Tree	66.00%	Easy	0.033627
House Robber	42.00%	Easy	0.033321
Largest Rectangle in Histogram	35.20%	Hard	0.032938
Number of Distinct Islands	56.00%	Medium	0.03279
Shortest Path in Binary Matrix	38.20%	Medium	0.031648
Summary Ranges	39.50%	Medium	0.031573
Transpose Matrix	62.80%	Easy	0.031179
Peeking Iterator	45.70%	Medium	0.031107
Palindrome Partitioning	47.50%	Medium	0.031016
Linked List Cycle	41.10%	Easy	0.031013
Find Pivot Index	44.00%	Easy	0.030898
Distribute Candies	61.40%	Easy	0.03089
Add Strings	47.50%	Easy	0.03001
Top K Frequent Words	51.80%	Medium	0.029731
Minimum Knight Moves	36.10%	Medium	0.029698
Reverse Only Letters	58.00%	Easy	0.028655
Sparse Matrix Multiplication	61.90%	Medium	0.027703
Concatenated Words	43.70%	Hard	0.027664
Longest Substring with At Most Two Distinct Characters	49.40%	Medium	0.027176
Continuous Subarray Sum	24.60%	Medium	0.026394
Find First and Last Position of Element in Sorted Array	36.20%	Medium	0.026256
Distribute Coins in Binary Tree	68.90%	Medium	0.026197
Isomorphic Strings	39.80%	Easy	0.025789
Valid Anagram	56.90%	Easy	0.025685
Binary Search Tree to Greater Sum Tree	80.80%	Medium	0.025447
1-bit and 2-bit Characters	48.80%	Easy	0.02527
Remove Duplicates from Sorted List	45.40%	Easy	0.025174
Kth Largest Element in an Array	55.40%	Medium	0.024144
Maximum Width of Binary Tree	41.00%	Medium	0.024117
Decode Ways	24.70%	Medium	0.023663
Course Schedule II	40.70%	Medium	0.023134
Expression Add Operators	35.50%	Hard	0.022523
Time Based Key-Value Store	53.10%	Medium	0.02226
Maximum Product Subarray	31.70%	Medium	0.022177
Combination Sum II	48.20%	Medium	0.021424
Symmetric Tree	46.80%	Easy	0.021098
Letter Case Permutation	64.60%	Medium	0.020264
Reverse String	68.50%	Easy	0.020262
Fraction to Recurring Decimal	21.60%	Medium	0.020152
Flatten Nested List Iterator	52.90%	Medium	0.019981
Evaluate Division	51.60%	Medium	0.01938
Trim a Binary Search Tree	63.00%	Easy	0.019139
Find Largest Value in Each Tree Row	61.10%	Medium	0.019094
Number of Dice Rolls With Target Sum	49.00%	Medium	0.018904



[Majority Element](#)
[Word Pattern](#)
[Move Zeroes](#)
[Queue Reconstruction by Height](#)
[Ransom Note](#)
[Leaf-Similar Trees](#)
[Cousins in Binary Tree](#)
[ZigZag Conversion](#)
[Closest Binary Search Tree Value](#)
[Rotting Oranges](#)
[Unique Binary Search Trees II](#)
[Reverse Integer](#)
[N-Queens](#)
[Simplify Path](#)
[Intersection of Two Arrays](#)
[Bulls and Cows](#)
[Find All Numbers Disappeared in an Array](#)
[Design Linked List](#)
[Flipping an Image](#)
[Evaluate Reverse Polish Notation](#)
[Happy Number](#)
[Count Complete Tree Nodes](#)
[Critical Connections in a Network](#)
[Climbing Stairs](#)
[Longest Increasing Path in a Matrix](#)
[Top K Frequent Elements](#)
[Range Sum Query - Immutable](#)
[Longest Common Prefix](#)
[Remove Duplicates from Sorted List II](#)
[Contains Duplicate II](#)
[Invert Binary Tree](#)
[Friend Circles](#)
[Path Sum III](#)
[First Bad Version](#)
[Longest Increasing Subsequence](#)
[Single Number](#)
[Is Graph Bipartite?](#)
[Island Perimeter](#)
[Flatten a Multilevel Doubly Linked List](#)
[Palindromic Substrings](#)
[Daily Temperatures](#)
[Edit Distance](#)
[Maximal Square](#)
[4Sum](#)
[Permutations II](#)
[Unique Binary Search Trees](#)
[Perfect Squares](#)

58.70%	Easy	0.018694
37.00%	Easy	0.0184
57.80%	Easy	0.017899
66.90%	Medium	0.017747
53.10%	Easy	0.017622
64.50%	Easy	0.017521
52.00%	Easy	0.017414
36.30%	Medium	0.017268
48.50%	Easy	0.017124
49.20%	Medium	0.017088
40.60%	Medium	0.016857
25.80%	Easy	0.016628
46.60%	Hard	0.016394
32.60%	Medium	0.016261
62.50%	Easy	0.01624
42.40%	Easy	0.016228
55.90%	Easy	0.015377
24.50%	Medium	0.015055
76.20%	Easy	0.014652
36.30%	Medium	0.014135
50.40%	Easy	0.014045
46.80%	Medium	0.014016
48.60%	Hard	0.013527
47.80%	Easy	0.013495
43.40%	Hard	0.013401
61.20%	Medium	0.013292
44.70%	Easy	0.013241
35.40%	Easy	0.013216
36.80%	Medium	0.01297
37.70%	Easy	0.012767
65.00%	Easy	0.012351
58.60%	Medium	0.012229
47.20%	Medium	0.012129
35.70%	Easy	0.01209
42.60%	Medium	0.011807
65.50%	Easy	0.01143
47.50%	Medium	0.011236
65.70%	Easy	0.010935
55.10%	Medium	0.010549
60.60%	Medium	0.010401
63.30%	Medium	0.010033
44.80%	Hard	0.010018
37.70%	Medium	0.009886
33.70%	Medium	0.009843
46.40%	Medium	0.009674
52.90%	Medium	0.009242
47.40%	Medium	0.009217



Minimum Remove to Make Valid Parentheses	62.50%	Medium	0.009195
Minimum Size Subarray Sum	38.20%	Medium	0.008414
Subsets	62.00%	Medium	0.008278
Middle of the Linked List	68.40%	Easy	0.007625
Best Time to Buy and Sell Stock II	57.00%	Easy	0.007532
3Sum Closest	46.00%	Medium	0.007526
Range Sum of BST	81.30%	Easy	0.007011
Flatten Binary Tree to Linked List	49.30%	Medium	0.006897
Container With Most Water	50.80%	Medium	0.006889
Pascal's Triangle	52.50%	Easy	0.00675
Find Peak Element	43.30%	Medium	0.00635
Minimum Path Sum	54.50%	Medium	0.006127
Binary Tree Preorder Traversal	55.70%	Medium	0.006098
K Closest Points to Origin	63.80%	Medium	0.005774
Pow(x;n)	30.30%	Medium	0.005595
Two Sum II - Input array is sorted	54.10%	Easy	0.005507
Path Sum	41.20%	Easy	0.00547
Construct Binary Tree from Inorder and Postorder Traversal	47.20%	Medium	0.005258
Intersection of Two Arrays II	51.40%	Easy	0.00521
Jump Game	34.60%	Medium	0.005023
Search Insert Position	42.60%	Easy	0.004647
Shuffle the Array	88.90%	Easy	0.004528
Squares of a Sorted Array	72.10%	Easy	0.003891
Contains Duplicate	56.00%	Easy	0.003798
Same Tree	53.40%	Easy	0.003165
Palindrome Number	48.40%	Easy	0.003038
Angle Between Hands of a Clock	61.40%	Medium	0.001954

