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Microsoft\xe2\x80\x99s most asked interview questions

- Difficulty Level :\nHard
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Like other product based companies, Microsoft also asks data structures and algorithms as part of their technical interview. Below is a of questions prepared from [different Microsoft interview experiences](#).

Most Asked Questions

- [Check if a Binary Tree is BST or not](#) \xe2\x80\x93 Practice [here](#)
- [Remove duplicates from a string, do it in-place](#) \xe2\x80\x93 Practice [here](#)
- [Given a rotated array which is sorted search for an element in it](#) \xe2\x80\x93 Practice [here](#)
- Given two linked lists that represent two big numbers (numbers that can not be stored in an int or long long int), [write a function that adds the numbers and store the result in a third list.](#)
- Variations of above question like subtract two numbers or multiply two numbers represented by linked lists. \xe2\x80\x93 Practice [here](#)
- [Print last 10 lines of a big file or big string](#).
- [Clone a linked list with next and arbitrary (or random) pointer](#)
- [Connect nodes at same level](#). Practice [here](#).
- [Least common ancestor of a binary tree](#) or a [binary search tree](#)
- Test case questions like test an ATM.
- [Run length encoding](#). \xe2\x80\x93 Practice [here](#)
- [Detect cycle in a linked list](#). Practice [here](#).

- [Given a sorted array of size n. Each element in array is unique and lies from 1 to n+1. Find the missing element](#). Write code and test cases for the same. \xe2\x80\x93 Practice [here](#)

- [Check if a binary tree is balanced](#).
- [Validate a given IP address](#)

- Why do you want to join Microsoft?

- [Two of the nodes of a BST are swapped. Correct the BST](#)

- [Draw a circle without floating point arithmetic](#)

Important Links

- [Microsoft\xe2\x80\x99s most frequently asked interview questions | Set 2](#)
- [Microsoft Interview Preparation](#)
- [Microsoft Interview Experiences](#)
- [Microsoft Practice Questions](#)
- [Top topics for Interview Preparation](#)
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