Microsoft Interview Questions for Freshers

Microsoft Technical Interview Questions

1. To find the Inorder successor of a node in a binary tree, provided you have a parent pointer

2. A binary tree is given. You have to check whether left node data is greater than right node data for all nodes.

3. To find Inorder successor of a node in a binary tree, provided you do not have a parent pointer.

4. You are given a sorted integer array, create a height-balanced binary search tree.

5. Construct a data structure that can push, pop, and find minimum in O(1) time.

6. Explain the difference between the process and thread.

7. A file consists of numerous words in it. You have to print the 10 most frequent words.

Given a linked list a random ptr also exists. Clone the original linked list.

8. You have a linked list and two integers, a and b, modify the linked list such that you retain first a nodes, then delete b nodes, then retain a nodes, and so on.

9. Given a two-dimensional array, if any element within is zero, make its whole row and column zero.

10. Given the head pointers of two linked lists where each linked list represents an integer number (each node is a digit), add them and return the resulting linked list.

11. Write a function to check that a binary tree is a valid binary search tree

12. Implement a queue with 2 stacks. Your queue should have an enqueue and a dequeue method and it should be "first in first out"

13. Write an efficient function that checks whether any permutation of an input string is a palindrome

14. Given a sorted array of size n. Each element in the array is unique and lies from 1 to n+1. Find the missing element.

15. Given a singly linked list, delete the middle of the linked list.

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16. Given an array where every element occurs three times, except one element which occurs only once, find the element that occurs once. The expected time complexity is O(n) and O(1) extra space. Copyright to https://www.freshersnow.com/

17. Find a substring in a string and replace it with another string.

18. Write code to convert a given number into words.

19. Print the last 10 lines of a big file or big string.

20. Given a binary tree of size N and an integer K, print all nodes that are at distance k from root (root is considered at distance 0 from itself). Nodes should be printed from left to right. If k is more than the height of the tree, nothing should be printed.

Microsoft HR Interview Questions and Answers for Freshers

1. Tell me about yourself.

The basic and common question that every individual will be facing at the time of the interview. The answer which you will provide for this question will act as a deciding factor for the rest of the interview. aspirants can answer this question in n different ways. Do remember to not give the by-hearted answers. Learn how you can be creative while saying about your Educational Qualifications, Family Background, Certification Courses you did, Internships, your mini, and main project details. If you want your technical expertise to be enhanced you can briefly explain the technologies you used in your project.

2. What are your favorite products from Microsoft?

Everyone will be very familiar with most of Microsoft Products. If you aren't very sure, do check the product list before appearing for the interview. The aspirants while answering this question have to make themselves ready to answer the next obvious question of why do you like it? make a specific point about why you have liked that product for example - For their Accessibility, App Interface, User-Friendly, Security, etc., This shows your technical expertise too.

3. What are your favorite subjects from your academics and why them?

A subject can be your favorite due to many reasons, so while answering this question do reason out on why do you consider it as your favorite among many. For example, if you say you are interested in DBMS, list out the features/ properties/ concepts for which you like this subject more than the remaining. Further, prepare yourself for any questions that the interviewer will ask regarding DBMS. As you said this is your favorite subject the interviewer will assume that you

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are well versed and familiar with every concept that exists in DBMS. Copyright to https://www.freshersnow.com/

4. What steps do you take to keep your skills current?

Technology is ever-changing. New technology gets emerged after every few days. And in order to sustain in this fast-growing domain one has to keep themselves amidst the change. They need to update with new information often. The interviewer by asking this question, expects the candidates to be flexible and wants the candidates to be continuous learners. So, while answering this question, point out on how you constantly keep yourself updated by reading Technology-Related Blogs, and how you frequently follow different IT Industry's to know about their latest trends and all that.

5. Where do you see yourself in the next 10 years?

The future is uncertain this is known by everyone. Even though it is uncertain, you need to make plans for it to have clarity on where you want to see yourself in the future. By asking this question the interviewer wants to know whether you will be continuing as an employee in Microsoft or not. Therefore, you can answer this question by saying that as long as the work you do challenges you and enables you to have professional growth in the company and in turn helps the company to get a profitable business you will be wishing to continue to work there. And all this will reflect you as a person of being a career-oriented individual.

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