Cadence Interview Questions for Freshers

Cadence Technical Interview Questions for Freshers

1. What does the term "object-oriented programming" mean?

2. There is a scheme that contains 8- bit and 16 bit signed numbers. How many such combinations are possible?

3. If a graph DS is given, how will you dump that into memory and retrieve it again?

4. What are all types of sorting algorithms?

5. A point and a rectangle are present with the given coordinates. How will you determine whether the point is inside or outside the rectangle?

6. Locate the sum of 2 numbers in a linear array (Unsorted and sorted) and their complexities.

7. What does exit() do?

8. What is the difference between overloading and overriding?

9. What is the insertion sort code?

10. What is the difference between "truncate" and "delete"?

11. Write code for string reversal.

12. For what do we use calloc?

13. Find the nth smallest element in the binary tree?

14. Difference between static and dynamic bindings. Copyright to https://www.freshersnow.com/

15. What is a linked list, implement using array and linked list (which is better single or doubly)?

16. What according to you are the advantages of the normalizing database?

17. Write code for linked list implementation, push, and pop.

18. State a diagram for [POW(n)] b[POW(n)] c.

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19. In a directed graph, how can you find a cycle? Is it possible to find using BFS, why BFS is preferred over DFS?

20. What is meant by "bit masking"?

21. Is a C program faster than a C++ compiled program?

22. What is the difference between C and C++?

23. Give me the code of in-order recursive and non-recursive.

24. How to solve non-linear systems of equations.

25. Make a state diagram for the a*b*c expression.

26. What do you mean by abstract classes?

27. What are library functions?

28. What do you mean by DNS?

29. You are given an array of elements. Some/all of them are duplicates. Find them in 0(n) time and 0(1) space. Property of inputs – Number are in the range of 1..n where n is the limit of the array. Copyright to https://www.freshersnow.com/

30. What is polymorphism? How it can be achieved in C++?

31. Why virtual destructor is required?

32. How does the map [STL Library] work? What is the time complexity of its implementation?

33. What is a const member function?

34. How does heap sort work? Implement heap sort for the given array

35. What are auto, volatile variables? Scopes of variables.

Cadence Interview Questions for Freshers

Cadence HR Interview Questions & Answers

1. Why do you think you are an ideal match for this job?

While answering this question, focus on your strengths, and the technical skills that you have and are necessary for the particular job. Point out the qualities that you have which will help you highlight as the best candidate among others. For instance "You can respond by saying How the specialization you have done will help you in current job/ Are the practical project knowledge you have gained in your academic year will create value addition for the current job/ Point out the certifications you have done which will help you in doing your job efficiently without any prior training."

2. Why do you want to join our company?

This question will be asked by the interviewer to know what the desirable thing you have seen in their organization for which you are looking forward to joining them. Therefore, you can answer by saying "The best thing I liked about Cadence is Its Work Ethics. From what I got to know through my contacts is that the management gives equal opportunity for every employee to prosper in their professional career. For instance, the training programs they provide will not only be for the benefit of the organization but also for the employee's career advancement." additionally, you can also talk about how you see that cadence is the perfect opportunity you are looking for to exhibit your skills & knowledge in your work.

3. What extra-curricular activities are you involved in?

Extra-curricular activities are nothing but what you have learned other than your academic subjects while studying. For instance, you can say how you are a member of some business club, where you learned how you can enhance your communication skills, etc/ or you can also talk about Sports Team you are involved in/ or any art programs or competitions you took part in. However, while answering this question make sure you answer it in such a way that shows how productively you used an opportunity to improve yourself and learned something productive for your career. Copyright to https://www.freshersnow.com/

4. Are you comfortable relocating?

The obvious answer to this question will be yes. But again same is not the case with every candidate. In that case, try to convey to the interviewer your uncertainness about relocation. However, the interviewer asks this question to know the level of interest you are showing to relocate to a new place for the sake of the job/ How flexible you are to take up the job that requires you to shift to an entirely new place.

5. What salary are you expecting?

As a Fresher no one will be having an idea about what salary you will get for a particular job. In that case, researching the job profile will help you guys in knowing the industry salary that is given to the candidates for that particular job profile. Moreover, you can also specify a particular figure you are expecting on the basis of the cost of living. By specifying a particular range it seems you may be demanding a huge amount but if you have skills that are in demand then specifying a particular figure may not be wrong.

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