

Walmart - Backend Developer

Interview Process

- Online Assessment
- Technical Rounds
- HR Rounds

Interview Questions

1. What will happen if I write without condition in for loop?
2. Write a query to find the top five employee salary.
3. Difference between graph and tree?
4. Different data structures available??
5. How to implement the Cadence algorithm
6. How does vdom works in react
7. Find the longest substring
8. What will happen if I write without condition in for loop?
9. Differentiate between the programming languages: C and C++.
10. How can memory leaks be avoided?
11. What is meant by candidate key and foreign key?
12. What are the advantages of multithreading over multiprocessing?
13. Differentiate between Hash Map and Tree Map.
14. Given a node, how would you find the number of leaf nodes?
15. What processes are triggered when we type an URL into a browser and hit enter?
16. What do you understand about preprocessors in the context of C programming language? What are the different types of preprocessor directives?
17. Differentiate between process and thread in the context of Operating Systems
18. Consider an SQL table that has name of employees and their salaries as an entry in each tuple. Find the employees who have the second highest salary.
19. Given an array of n elements, where each element is at most k away from its target position, return the sorted array
20. How will you find the shortest path from a start node to an end node in a graph (2D array) using any shortest path algorithm?
21. Given two strings, string1 and string2, write a function max_substring to return the maximal substring shared by both strings.
22. 9. Given a dictionary with keys of letters and values of a list of letters, write a function closest_key to find the key with the input value closest to the beginning of the list.
23. Given n dice, each with m faces, write a function combinational_dice_rolls to dump all possible combinations of dice rolls.
24. You are given a transaction data frame containing transaction IDs, product IDs, and the total amount of each product sold, and a product dataframe containing product IDs and

prices. Write a function to return a dataframe containing every transaction with a total value of over \$100.

25. Could you please tell me about the garbage collection process in Java?
26. How will you implement LRU cache without using LinkedHashMap?
27. How would you reverse a string without changing the position of any special characters present in the string?
28. Given a binary array consisting of only 0s and 1s, create a Python function, `equal_subarray`, that returns the maximum length of a contiguous subarray with an equal number of 0 and 1.
29. Given three tables representing a forum of users and their comments, how can we detect if users are creating multiple accounts to upvote their own comments? Provide a query to display the percentage of users engaged in fraudulent behavior.
30. Design a stack that supports `push()`, `pop()`, and retrieving the minimum value in constant time, using only the stack data structure.
31. Given a table of user logs with platform information, count the number of daily active users on each platform for the year 2020.
32. Given a list of strings, write a Python program to check whether each string has all the same characters or not. What is the complexity of this program?