

61 DB2 Interview Questions and Answers to Assess Candidates

Questions

1. What is DB2 and how does it differ from other database management systems?
2. Can you explain the different types of DB2 databases?
3. What are the key features of DB2 that make it a popular choice for enterprise applications?
4. How do you create a new table in DB2?
5. What is a schema in DB2 and why is it important?
6. How can you retrieve data from a DB2 table using SQL?
7. What is the purpose of indexes in DB2 and how do they improve performance?
8. Can you describe the process of backing up and restoring a DB2 database?
9. What are stored procedures in DB2 and how do they benefit database operations?
10. How do you manage user permissions and roles in DB2?
11. What is the significance of normalization in DB2 database design?
12. Can you explain what a DB2 cursor is and how it is used?
13. What tools or techniques do you use for performance tuning in DB2?
14. How do you handle errors in DB2 SQL statements?
15. What is the difference between a primary key and a foreign key in DB2?
16. Can you explain what data partitioning means in the context of DB2?
17. What are the main advantages of using DB2 for enterprise applications?
18. Can you describe the importance of buffer pools in DB2?
19. How do you ensure data integrity in DB2?
20. What strategies do you use for DB2 database performance tuning?
21. How do you handle database locking issues in DB2?
22. What are some common security measures you can implement in DB2?
23. Can you explain the concept of a database partitioning in DB2 and its benefits?
24. How do you perform database migration in DB2?
25. Can you explain the concept of locking in DB2 and how you would resolve deadlocks?
26. How do you configure database logging in DB2, and what information is stored in the logs?
27. Describe the process to monitor and analyze database performance using DB2 monitoring tools.
28. What are the different types of table spaces in DB2 and how do you decide which one to use?
29. How would you optimize a poorly performing query in DB2?
30. Can you explain the use of triggers in DB2 and provide an example of how you've used them?
31. What steps would you take to upgrade a DB2 database from one version to another?
32. How do you approach database design to ensure scalability and performance in DB2?
33. Describe a situation where you had to troubleshoot a complex issue in a DB2 environment. How did you resolve it?
34. How do you implement and manage data encryption in DB2?
35. Explain the concept of High Availability Disaster Recovery (HADR) in DB2 and its benefits.
36. How do you perform data replication in DB2, and what are the key considerations?
37. What are the best practices for managing large volumes of data in a DB2 database?
38. How do you ensure compliance with data security and privacy regulations in DB2?
39. Can you describe the process of migrating a DB2 database to a different platform or environment?
40. What is a materialized query table (MQT) in DB2 and how does it improve query performance?
41. How do you handle schema changes in a production DB2 database without causing downtime?
42. Describe the process of setting up and using database partitioning in DB2 to improve performance and manageability.
43. How would you approach optimizing a DB2 database that's experiencing slow query performance across multiple tables?
44. Can you explain the concept of autonomic computing in DB2 and how it impacts database administration?
45. Describe a situation where you had to implement a high availability solution for a DB2 database. What factors did you consider, and what approach did you take?
46. How do you approach capacity planning for a growing DB2 database environment?
47. What strategies would you employ to minimize downtime during a major DB2 version upgrade?
48. How would you design a DB2 database to handle multi-tenant applications with varying workloads?
49. Can you explain how you would implement and manage data encryption in DB2 to comply with data privacy regulations?
50. Can you describe the process of setting up high availability for a DB2 database?
51. How do you manage and monitor DB2 database performance in a production environment?
52. What methods do you use to ensure data integrity and consistency in DB2?
53. Describe your experience with DB2 database migration. What challenges did you face and how did you overcome them?
54. How do you handle backup and recovery operations in a DB2 database?
55. Explain how you would set up and manage a DB2 database in a cloud environment.
56. What strategies do you use to optimize DB2 database queries for performance?
57. Can you discuss your approach to managing DB2 database security?