

50 PL/SQL interview questions to ask your applicants

Questions

1. Can you explain the difference between a procedure and a function in PL/SQL?
2. What is a cursor in PL/SQL and when would you use one?
3. How do you handle exceptions in PL/SQL? Can you provide an example?
4. What are triggers in PL/SQL and how do they work?
5. Can you describe the different types of PL/SQL collections?
6. What are PL/SQL packages and why are they useful?
7. How do you optimize PL/SQL code for better performance?
8. Can you explain the concept of autonomous transactions in PL/SQL?
9. What is dynamic SQL in PL/SQL and how do you use it?
10. How would you debug and test PL/SQL code?
11. Can you explain the concept of mutating tables in PL/SQL and how to handle them?
12. How would you implement error logging in a PL/SQL application?
13. What are the differences between implicit and explicit cursors in PL/SQL?
14. How would you optimize a slow-running PL/SQL procedure?
15. Can you explain the concept of a deterministic function in PL/SQL and when you would use one?
16. How would you implement row-level security in PL/SQL?
17. Can you explain the concept of pipelined table functions and their advantages?
18. What are invoker's rights and definer's rights in PL/SQL, and when would you use each?
19. How do you handle large datasets efficiently in PL/SQL?
20. Can you describe a scenario where you'd use a compound trigger?
21. What are the benefits and drawbacks of using native dynamic SQL versus DBMS_SQL?
22. How would you implement a custom locking mechanism in PL/SQL?
23. Can you explain the concept of bulk binding and how it improves performance?
24. What are the best practices for securing PL/SQL code against SQL injection attacks?
25. How would you design a scalable logging system using PL/SQL?
26. Can you describe a situation where you'd use autonomous transactions within a trigger?
27. What are the considerations when implementing a multi-tenant architecture using PL/SQL?
28. How would you optimize PL/SQL code that interacts with external web services?
29. Can you explain the concept of edition-based redefinition and its benefits?
30. How would you implement a custom parallel processing solution in PL/SQL?
31. How do you identify performance bottlenecks in a PL/SQL application?
32. What methods would you use to optimize database queries in PL/SQL?
33. How do you ensure that your PL/SQL code is reusable and maintainable?
34. What are your strategies for managing memory usage in PL/SQL applications?
35. Can you explain the role of statistics in query optimization?
36. How do you handle large data volumes in PL/SQL procedures?
37. What are some common mistakes to avoid when writing PL/SQL code for performance?
38. How do you balance the trade-offs between readability and performance in PL/SQL code?
39. Can you describe the steps involved in creating a stored procedure in PL/SQL?
40. How do you pass parameters to a stored procedure in PL/SQL?
41. What are IN, OUT, and INOUT parameters in PL/SQL stored procedures?
42. How do you call a stored procedure in PL/SQL?
43. Can you explain the concept of overloading in PL/SQL stored procedures?
44. How do you debug a stored procedure in PL/SQL?
45. What is the difference between a stored procedure and an anonymous block?
46. How can you handle errors within a stored procedure?
47. Can you describe how to return multiple values from a PL/SQL stored procedure?
48. What are the best practices for writing efficient stored procedures in PL/SQL?
49. How do you manage transactions within a PL/SQL stored procedure?