JDBC Interview Question

1. What is JDBC API and when do we use it?
2. What are different types of JDBC Drivers?
3. How does JDBC API helps us in achieving loose coupling between Java Program and JDBC Drivers API?
4. What is JDBC Connection? Explain steps to get Database connection in a simple java program.
5. What is the use of JDBC DriverManager class?
6. How to get the Database server details in java program?
7. What is JDBC Statement?
8. What is the difference between execute, executeQuery, executeUpdate?
9. What is JDBC PreparedStatement?
10. How to set NULL values in JDBC PreparedStatement?
11. What is the use of getGeneratedKeys() method in Statement?
12. What are the benefits of PreparedStatement over Statement?
13. What is the limitation of PreparedStatement and how to overcome it?
14. What is JDBC ResultSet?
15. What are different types of ResultSet?
16. What is the use of setFetchSize() and setMaxRows() methods in Statement?
17. How to use JDBC API to call Stored Procedures?
18. What is JDBC Batch Processing and what are it's benefits?
19. What is JDBC Transaction Management and why do we need it?
20. How to rollback a JDBC transaction?
21. What is JDBC Savepoint? How to use it?
22. What is JDBC DataSource and what are it's benefits?
23. How to achieve JDBC Connection Pooling using JDBC DataSource and JNDI in Apache Tomcat Server?
24. What is Apache DBCP API?
25. What is JDBC Connection isolation levels?
26. What is JDBC RowSet? What are different types of RowSet?
27. What is the different between ResultSet and RowSet?
28. What are common JDBC Exceptions?
29. What is CLOB and BLOB datatypes in JDBC?
30. What is "dirty read" in JDBC? Which isolation level prevents dirty read?
31. What is 2 phase commit?
32. What are the different types of locking in JDBC?
33. What do you understand by DDL and DML statements?
34. What is difference between java.util.Date and java.sql.Date?
35. How to insert an image or raw data into database?
36. What is phantom read and which isolation level prevents it?

37. What is SQL Warning? How to retrieve SQL warnings in the JDBC program?
38. How to invoke Oracle Stored Procedure with Database Objects as IN/OUT?
39. When do we get java.sql.SQLException: No suitable driver found?
40. What are JDBC Best Practices?