JDBC Quiz

1.Which package contains classes that help in connecting to a database, sending SQL statements to the database, and processing the query results.

Ans:java.sql

2.Which type of Statement object allows you to execute parametrized queries?

Ans:PreparedStatement

3. Which JDBC driver Type is the JDBC-ODBC bridge?

Ans:Type1

4Which type of Statement object is used to call stored procedures?

Ans:CallableStatement

5. Which of type of Statement object is efficient due to pre-compilation of SQL?

Ans:PreparedStatement

6.What kind of information that the Metadata interfaces of JDBC provides?

Ans:It provides information about the database as a whole

7.Which type of driver is considered as highest performance driver?

Ans:Type 4

8.What the Statement.executeQuery(SQL) method returns?

Ans:ResultSet object

9. java.sql api has interfaces such as Connection,Statement,PreparedStatement,CallableStatement,ResultSet who provides the implementation for these interfaces?

Ans:Database vendors

10.List the types of ResultSet objects

Ans: ResultSet.TYPE\_FORWARD\_ONLY , ResultSet.TYPE\_SCROLL\_INSENSITIVE, ResultSet.TYPE\_SCROLL\_SENSITIVE

11.What is the default type of ResultSet?

ResultSet.TYPE\_FORWARD\_ONLY

12.To view a ResultSet we have get methods, which takes two kinds of arguments what are they?

Ans:column name.

column index.

13.How to turn off auto-commit in JDBC?

Ans: pass a boolean false to setAutoCommit( ) method of Connection object

14.Which method is appropriate for performing DML statements?

Ans:executeUpdate()

15.To start the execution of all the statements grouped together which mentod of PreparedStatement is used?

Ans:executeBatch()

16.Which driver is called as thin-driver in JDBC?

Ans:type 4

17How many transaction isolation levels are defined in java.sql.Connection interface?

Ans:5

18. Which method is used to perform DML statements in JDBC?

Ans: executeUpdate()

19. A Java program cannot directly communicate with an ODBC driver because

Ans: ODBC written in C language

20. The JDBC-ODBC Bridge driver translates the JDBC API to the ODBC API and used with .......

Ans: ODBC drivers

21. The ............................. package contains classes that help in connecting to a database, sending SQL statements to the database, and processing the query results.

Ans: java.sql

22. The ................................ method executes a simple query and returns a single Result Set object.

Ans: executeQuery()

23. The ......................... method executes an SQL statement that may return multiple results.

Ans: execute()

24. The ........................ object allows you to execute parametrized queries.

Ans: PreparedStatement

25. The .................. object provides you with methods to access data from the table.

Ans: ResultSet

26. The ...................... method sets the query parameters of the PreparedStatement Object.

Ans: setString()

27. Connection object can be initialized using the ............................ method of the Driver Manager class.

Ans: getConnetion()

28. JDBC is a ..................... interface, which means that it is used to invoke SQL commands directly

Ans: low-level

29. ODBC is not appropriate for direct use from java because it uses a ..............

Ans: C interface

30. Kind of driver converts JDBC calls on the client [API](http://en.wikipedia.org/wiki/Application_programming_interface) for Oracle, [Sybase](http://www.google.com/finance?q=NYSE:SY), Informix, DB2, or other DBMS is known as

Ans: Native-API partly-Java driver

31. Which type of driver converts JDBC calls into the network protocol used by the database management system directly?

Ans:Type 4

32 Which of the following encapsulates an SQL statement which is passed to the database to be parsed, compiled, planned and executed?

[A - DriverManagerB - JDBC driver](javascript:void(0);) [C - Connection](javascript:void(0);) D – Statement

Ans: Statement

33. Which type of JDBC driver, is also called Type 2 JDBC driver?

Ans: Native-API, partly Java driver, is also called Type2 JDBC driver

34. Which is not the standard isolation levels defined by JDBC?

Ans: TRANSACTION\_WRITE\_UNCOMMITTED

35. Which is used generally for reading the content of the database?

Ans: ResultSet executeQuery()

36. Which of the following is correct about connection pooling?

[A - Database vendor's help multiple clients to share a cached set of connection objects that provides access to a database.](javascript:void(0);)

[B - Clients need not create a new connection everytime to interact with the database.](javascript:void(0);)

C - Both of the above.

[D - None of the above.](javascript:void(0);)

Ans: Both of the above

37. Which ResultSet can be both read and upda**ted?**

Ans: ResultSet.CONCUR\_UPDATABLE

38. Which of the following is a Metadata interfaces of JDBC?

[A - DatabaseMetaData](javascript:void(0);)

[B - ResultSetMetaData](javascript:void(0);)

C - Both of the above.

[D - None of the above.](javascript:void(0);)

Ans:c Both of the above

39. Which of the following is not a component/class of JDBC API?

[A - DriverManager](javascript:void(0);)

[B - Driver](javascript:void(0);)

[C - Connection](javascript:void(0);)

D – Transaction

Ans:D. Transaction

40. Which of the following consists of methods for contacting a database?

[A - DriverManager](javascript:void(0);)

[B - JDBC driver](javascript:void(0);)

C - Connection

[D - Statement](javascript:void(0);)

Ans:C.Connection

41. Which of the following type of JDBC driver, talks with the server-side middleware that then talks to database?

[A - JDBC-ODBC Bridge plus ODBC driver](javascript:void(0);)

[B - Native-API, partly Java driver](javascript:void(0);)

C - JDBC-Net, pure Java driver

[D - Native-protocol, pure Java driver](javascript:void(0);)

Ans: - JDBC-Net, pure Java driver

42. Which of the following type of JDBC driver is the fastest one?

[A - Type 1](javascript:void(0);)

[B - Type 2](javascript:void(0);)

[C - Type 3](javascript:void(0);)

D - Type 4

Ans: D - Type 4

43. Which of the following is efficient than statement due to pre-compilation of SQL?

[A - Statement](javascript:void(0);)

B - PreparedStatement

[C - CallableStatement](javascript:void(0);)

[D - None of the above.](javascript:void(0);)

Ans: B - PreparedStatement

44. Which of the following is correct about SQL Warning?

[A - SQLWarning objects are a subclass of SQLException that deal with database access warnings.](javascript:void(0);)

[B - Warnings do not stop the execution of an application, as exceptions do.](javascript:void(0);)

C - Both of the above.

[D - None of the above.](javascript:void(0);)

Ans: C - Both of the above.

45. Which of the following is correct about connection pooling?

[A - Database vendor's help multiple clients to share a cached set of connection objects that provides access to a database.](javascript:void(0);)

[B - Clients need not create a new connection everytime to interact with the database.](javascript:void(0);)

C - Both of the above.

[D - None of the above.](javascript:void(0);)

Ans: C - Both of the above.

46. Which of the following is correct about PreparedStatement?

[A - Used when you plan to use the SQL statements many times.](javascript:void(0);)

[B - The PreparedStatement interface accepts input parameters at runtime.](javascript:void(0);)

C - Both of the above.

[D - None of the above.](javascript:void(0);)

Ans: C - Both of the above.

47. A connected RowSet Object is permanent in nature. It doesn't terminate until the application is terminated.

A - true

[B - false](javascript:void(0);)

Ans: A – true

48. New drivers can be plugged-in to the JDBC API without changing the client code.

A - true

[B - false](javascript:void(0);)

Ans: A – true

49. Resultset is an interface, how does it support rs.Next()?

[A - JDBC provides implementation of ResultSet & other interfaces, through the Driver.](javascript:void(0);)

B - Every vendor of Database provides implementation of ResultSet & other interfaces, through the Driver.

[C - Both of the above.](javascript:void(0);)

[D - None of the above.](javascript:void(0);)

Ans: Every vendor of Database provides implementation of ResultSet & other interfaces, through the Driver.

50. What does the Class.forName("MyClass") do?

[A - Loads the class MyClass.](javascript:void(0);)

[B - Execute any static block code of MyClass.](javascript:void(0);)

[C - Returns an instance of MyClass.](javascript:void(0);)

D - All of the above.

Ans: D - All of the above.