

Chapter 24

Talking to Databases

1. What do you mean by data access?

- a. Data access is the process of retrieving data that is taken from a remote or local data source.
- b. Data access is the process of manipulating data that is taken from a remote or local data source.
- c. Data access is the process of retrieving or manipulating data that is taken from only a remote data source.

d. A and B

Answer: D

2. Which are common examples of data sources that you might access –

- a. A remote relational database on a server or a local computer— (for example, SQL Server, Personal Oracle or Microsoft Access).**
- b. A text file on your computer.**
- c. An online information service (such as a stock market ticker, for example).**
- d. All of the above.**

Answer: D

3. The Java Database Connectivity (JDBC) Library is implemented in which package?

- a. java.lang
- b. java.util
- c. java.sql**
- d. java.mysql

Answer: C

4. What is the technical term for a row in a table?

- a. Tuple**
- b. Record**
- c. Field
- d. None of the above

Answer : A and B

5. SQL is different from other programming languages that you may be familiar with in that it is _____.

- a. declarative**
- b. and procedural
- c. It is not different from other languages
- d. Not readable like English sentence

Answer: A

6. JDBC manages to operate with a variety of different relational database systems by having an implementation of the JDBC interface for each specific database.

- a. True**
- b. False

Answer: True

7. Which of the following is JDBC base Standard?

- a. SQL X/Open CLI**
- b. Oracle
- c. Mysql
- d. All of the above

Answer: A

8. Which of the following statement is false?

- a. Driver Manager - Loads database drivers and manages the connections between the application and the driver.
- b. Driver - Translates API calls into operations for a specific data source.
- c. Connection - A session between an application and a database.
- d. Metadata - Information about returned data, the database, and the driver
- e. Resultset - Logical set of columns and rows of data returned by executing a statement
- f. None of the above.**

Answer: F

9. All work with JDBC will begin with –

- a. the java.mysql.DriverManager class
- b. the java.sql.DriverManager class**
- c. the java.oracle.DriverManager class
- d. All of the above

Answer: B

10. The forName() method can throw which exception?

- a. ClassNotFoundException**
- b. SQLException
- c. NumberFormatException
- d. IOException

Answer: A

11. A connection to a specific data source is represented by an object of a class that implements the –

- a. java.sql.getConnection interface
- b. java.mysql.Connection interface
- c. java.sql.Connection interface.**
- d. Java.Connection interface.

Answer: C

12. Which is correct syntax to get connect with database?

- a. Connection databaseConnection = DriverManager.Connection(source);
- b. Connection databaseConnection = DriverManager.getConnection(source);**
- c. Connection con = DriverManager.getConnection(source);**
- d. Connection database = DriverManager.getConnection(source);

Answer: B, and C

13. Most JDBC methods and also getConnection() method handle errors by throwing which exception –

- a. ClassNotFoundException
- b. SQLException**
- c. NumberFormatException
- d. IOException

Answer: B

14. If the database requires a user name and password to gain access which is correct syntax

- a. Connection databaseConnection = DriverManager.Connection(source);
- b. databaseConnection = DriverManager.getConnection(sourceURL, myUserName, myPassword);**
- c. databaseConnection = DriverManager.getConnection(myUserName, sourceURL, myPassword);
- d. databaseConnection = DriverManager.getConnection(myUserName, myPassword, sourceURL);

Answer: B

15. JTable is to use an object that encapsulates the data that is to be displayed in the table and implements the –

- a. java.swing.table.TableModel interface
- b. javax.swing.table.TableModel interface.**
- c. javax.swing.TableModel interface.
- d. javax.table.TableModel interface.

Answer: B

16. Which is the correct url for mysql connection?

- a. jdbc.odbc.jdbcOdbcDriver
- b. com.mysql.jdbc.Driver
- c. jdbc:mysql://localhost:3306/ databaseName, myUserName, myPassword**
- d. jdbc:odbc:technical_library

Answer: C