Chapter 24

Talking to Databases

1. **What do you mean by data access?**
2. Data access is the process of retrieving data that is taken from a remote or local data source.
3. Data access is the process of manipulating data that is taken from a remote or local data source.
4. Data access is the process of retrieving or manipulating data that is taken from only a remote data source.
5. **A and B**

Answer: D

1. **Which are common examples of data sources that you might access –**
2. **A remote relational database on a server or a local computer— (for example, SQL Server, Personal Oracle or Microsoft Access).**
3. **A text file on your computer.**
4. **An online information service (such as a stock market ticker, for example).**
5. **All of the above.**

**Answer: D**

1. **The Java Database Connectivity (JDBC) Library is implemented in which package?**
2. java.lang
3. java.util
4. **java.sql**
5. java.mysql

Answer: C

1. **What is the technical term for a row in a table?**
2. **Tuple**
3. **Record**
4. Field
5. None of the above

Answer : A and B

1. **SQL is different from other programming languages that you may be familiar with in that it is \_\_\_\_\_\_\_.**
2. **declarative**
3. and procedural
4. It is not different from other languages
5. Not readable like English sentence

Answer: A

1. **JDBC manages to operate with a variety of different relational database systems by having an implementation of the JDBC interface for each specific database.**
2. **True**
3. False

Answer: True

1. **Which of the following is JDBC base Standard?**
2. **SQL X/Open CLI**
3. Oracle
4. Mysql
5. All of the above

Answer: A

1. **Which of the following statement is false?**
2. Driver Manager - Loads database drivers and manages the connections between the application and the driver.
3. Driver - Translates API calls into operations for a specific data source.
4. Connection - A session between an application and a database.
5. Metadata - Information about returned data, the database, and the driver
6. Resultset - Logical set of columns and rows of data returned by executing a statement
7. **None of the above.**

Answer: F

1. **All work with JDBC will begin with –**
2. the java.mysql.DriverManager class
3. **the java.sql.DriverManager class**
4. the java.oracle.DriverManager class
5. All of the above

Answer: B

1. **The forName() method can throw which exception?**
2. **ClassNotFoundException**
3. SQLException
4. NumberFormatException
5. IOException

Answer: A

1. **A connection to a specific data source is represented by an object of a class that implements the –**
2. java.sql.getConnection interface
3. java.mysql.Connection interface
4. **java.sql.Connection interface.**
5. Java.Connection interface.

Answer: C

1. **Which is correct syntax to get connect with database?**
2. Connection databaseConnection = DriverManager.Connection(source);
3. **Connection databaseConnection = DriverManager.getConnection(source);**
4. **Connection con = DriverManager.getConnection(source);**
5. Connection database = DriverManager.getConnection(source);

Answer: B, and C

1. **Most JDBC methods and also getConnection() mentod handle errors by throwing which** exception –
2. ClassNotFoundException
3. **SQLException**
4. NumberFormatException
5. IOException

Answer: B

1. **If the database requires a user name and password to gain access which is correct syntax**
2. Connection databaseConnection = DriverManager.Connection(source);
3. **databaseConnection = DriverManager.getConnection(sourceURL, myUserName, myPassword);**
4. databaseConnection = DriverManager.getConnection(myUserName, sourceURL, myPassword);
5. databaseConnection = DriverManager.getConnection(myUserName, myPassword, sourceURL);

Answer: B

1. **JTable is to use an object that encapsulates the data that is to be displayed in the table and implements the –**
2. java.swing.table.TableModel interface
3. **javax.swing.table.TableModel interface.**
4. javax.swing.TableModel interface.
5. Javax.table.TableModel interface.

Answer: B

1. **Which is the correct url for mysql connection?**
2. Jdbc.odbc.JdbcOdbcDriver
3. com.mysql.jcbd.Driver
4. **jdbc:mysql://localhost:3306/ databaseName, myUserName, myPassword**
5. jdbc:odbc:technical\_library

Answer: C