

MCQs - Unit 2: Database Access and Client Server Communication

1. Which component of ADO.NET provides a bridge between a DataSet and the database?

- A. SqlDataReader
- B. SqlCommand
- C. SqlDataAdapter
- D. SqlConnection

Answer: C. SqlDataAdapter

2. In Connected Architecture, which ADO.NET class is used to read data in a forward-only, read-only manner?

- A. SqlDataAdapter
- B. SqlDataReader
- C. DataSet
- D. DataTable

Answer: B. SqlDataReader

3. Which property of the SqlConnection object stores the name of the database to which you need to connect?

- A.ConnectionString
- B. Database
- C. State
- D. ConnectionTimeout

Answer: B. Database

4. Which method of the SqlCommand object executes a SELECT query and returns the result set as a DataReader?

- A. ExecuteNonQuery
- B. ExecuteScalar
- C. ExecuteReader
- D. Fill

Answer: C. ExecuteReader

5. What does the HasRows property of a SqlDataReader indicate?

- A. Number of rows in a table
- B. Whether the result set has any rows
- C. The number of columns
- D. Whether connection is open

Answer: B. Whether the result set has any rows

6. Which state management technique stores data in a hidden field on the page?

- A. ViewState
- B. Hidden Field
- C. Cookies
- D. QueryString

Answer: B. Hidden Field

7. Which type of cookie is deleted when the browser is closed?

- A. Persistent Cookie
- B. Non-Persistent Cookie
- C. Secure Cookie
- D. Temporary Cookie

Answer: B. Non-Persistent Cookie

8. Which server-side state management technique stores user-specific data for the duration of a user's session?

- A. Application State
- B. Session State
- C. ViewState
- D. QueryString

Answer: B. Session State

9. Which method of the Application object prevents simultaneous access for writes?

- A. Lock()
- B. UnLock()
- C. Close()
- D. End()

Answer: A. Lock()

10. In ADO.NET, which architecture allows data manipulation without a live database connection?

- A. Connected Architecture
- B. Disconnected Architecture
- C. Client-Server Architecture
- D. Three-Tier Architecture

Answer: B. Disconnected Architecture