

16 Lecture - CS506

Important Mcqs

Certainly, here are 10 multiple-choice questions (MCQs) related to ResultSet in Java Database Connectivity (JDBC), along with their solutions and multiple options:

****Question 1: What does a ResultSet represent in JDBC?***

- a) A connection to the database
- b) A collection of SQL statements
- c) The outcome of a database query
- d) A predefined database schema

****Solution: c) The outcome of a database query****

****Question 2: Which interface is used to interact with the data stored in a ResultSet?***

- a) ResultSetMetaData
- b) ResultData
- c) DataResultSet
- d) DatabaseResultSet

****Solution: a) ResultSetMetaData****

****Question 3: How do you navigate through the rows of a ResultSet in JDBC?***

- a) Using the `next()` method
- b) Using the `previous()` method
- c) Using the `moveToNext()` method
- d) Using the `iterate()` method

****Solution: a) Using the `next()` method****

****Question 4: What method retrieves data from the current row of a ResultSet based on column index?****

- a) `getString()`
- b) `getColumn()`
- c) `retrieve()`
- d) `get()`

****Solution: a) `getString()`****

****Question 5: Which method is used to retrieve data from the current row of a ResultSet based on column name?****

- a) `getName()`
- b) `getColumn()`
- c) `getString()`
- d) `retrieve()`

****Solution: c) `getString()`****

****Question 6: What is the default cursor position when a ResultSet is initially created?****

- a) Before the first row
- b) On the first row
- c) After the last row
- d) It depends on the database type

****Solution: a) Before the first row****

****Question 7: How is ResultSet generally obtained after executing a SQL query?****

- a) Using `getResultSet()`

- b) Using `executeQuery()`
- c) Using `createResultSet()`
- d) Using `getResults()`

****Solution: b) Using `executeQuery()`****

****Question 8: Which method is used to close a ResultSet in JDBC?***

- a) `close()`
- b) `dispose()`
- c) `release()`
- d) `shutdown()`

****Solution: a) `close()`****

****Question 9: What happens when you call the `next()` method on a ResultSet beyond the last row?***

- a) It throws an exception
- b) It returns `null`
- c) It moves to the first row
- d) It stays on the last row

****Solution: b) It returns `null`****

****Question 10: What does the `ResultSetMetaData` interface provide information about?***

- a) Connection details
- b) SQL statements
- c) Query execution time
- d) ResultSet's columns and properties

****Solution: d) ResultSet's columns and properties****