

Chapter 13-MCQ Assignment

1. JDBC stands for:

- A. Java Database Connectivity
- B. Java Data Controller
- C. Java DB Connect
- D. Java Direct Communication

2. Which package contains JDBC classes?

- A. java.io
- B. java.sql
- C. java.utils
- D. java.db

3. Which method loads the JDBC driver?

- A. loadDriver()
- B. forName()
- C. Class.forName()
- D. connectDriver()

4. DriverManager.getConnection() returns:

- A. ResultSet
- B. Connection
- C. Statement
- D. Database

5. Which interface is used to execute SQL queries?

- A. Statement
- B. ResultSet
- C. Driver
- D. Connection

6. executeQuery() returns:

- A. int
- B. ResultSet
- C. Connection
- D. boolean

7. executeUpdate() is used for:

- A. SELECT
- B. CREATE TABLE
- C. INSERT/UPDATE/DELETE
- D. None

8. Which method is used to move the cursor to the next row in a ResultSet?

- a) next()
- b) moveNext()
- c) goNext()
- d) fetchNext()

9. What does ResultSet.next() return?

- A. int
- B. boolean
- C. String
- D. double

10. Cursor in ResultSet starts:

- A. At first row
- B. Before first row
- C. At last row
- D. After last row

11. getString() and getInt() are methods of:

- A. Connection
- B. ResultSet
- C. Statement
- D. Driver

12. TYPE_FORWARD_ONLY ResultSet:

- A. Moves forward only
- B. Moves both directions
- C. Updates allowed
- D. Deletes rows

13. `TYPE_SCROLL_INSENSITIVE` means:

- A. Shows real-time updates
- B. Does not show external changes
- C. Cannot move backward
- D. Auto-commit off

14. Which method is used to set a value for a placeholder in a `PreparedStatement`?

- a) `setValue()`
- b) `setParameter()`
- c) `setString()`
- d) `setPlaceholder()`

15. `absolute(3)` moves cursor to:

- A. Last row
- B. Row 3
- C. First row
- D. No movement

16. Which method moves cursor backward?

- A. `reverse()`
- B. `previous()`
- C. `back()`
- D. `moveBack()`

17. Which exception is thrown when a database error occurs?

- a) DatabaseException
- b) SQLException
- c) IOException
- d) ClassNotFoundException

18. commit() is used to:

- A. Undo changes
- B. Save changes
- C. Delete database
- D. Close connection

19. rollback() is used for:

- A. Saving changes
- B. Undoing changes
- C. Creating schema
- D. Dropping table

20. Which driver type is written entirely in Java?

- a) Type 1
- b) Type 2
- c) Type 3
- d) Type 4

Fill in the Blanks(5)

- 1.The _____ method is used to move the cursor to the next row in a ResultSet.

- 2._____ is a precompiled SQL statement that helps prevent SQL injection attacks.

- 3.To enable manual transaction control, you must call setAutoCommit(______).

4. The _____ object stores the results from a database query.

5. To save all changes in a transaction, we use the _____ method.

True or False(5)

- 1.A single Connection object can have multiple active Statement objects.

- 2.PreparedStatement can only be used for SELECT queries.

3. The executeUpdate() method is used for SELECT statements.

4. A Connection object can be used for multiple databases at the same time.

5. You need to load the driver manually in modern Java versions.