School of Computer Science Engineering and Technology

Course- BTech   Type- Core
Course Code- **CSET109**   Course Name- **Object Oriented Programming Using Java**
Year- First   Semester- Even Batch- BTech 2nd Semester

Tutorial-11

Tutorial No.	Name	CO1	CO2	CO3
11	JDBC	✓	✓	✓

Objective: The main objective of this tutorial is to learn about the database connectivity in Java language.

11.1 What are the major components of the JDBC?

    A. DriverManager, Driver, Connection, Statement, and ResultSet
    B. DriverManager, Driver, Connection, and Statement
    C. DriverManager, Statement, and ResultSet
    D. DriverManager, Connection, Statement, and ResultSet

11.2 Select the packages in which JDBC classes are defined?

    A. jdbc and javax.jdbc
    B. rdb and javax.rdb
    C. jdbc and java.jdbc.sql
    D. sql and javax.sql

11.3 What is the correct sequence to create a database connection?
i. Import JDBC packages.
ii. Open a connection to the database.
iii. Load and register the JDBC driver.
iv. Execute the statement object and return a query resultset.
v. Create a statement object to perform a query.
vi. Close the resultset and statement objects.
vii. Process the resultset.
viii. Close the connection.

    A. i, ii, iii, v, iv, vii, viii, vi
    B. i, iii, ii, v, iv, vii, vi, viii
    C. ii, i, iii, iv, viii, vii, v, vi
    D. i, iii, ii, iv, v, vi, vii, viii

11.4 Which of the following method is used to perform DML statements in JDBC?

    A. executeResult()
    B. executeQuery()
    C. executeUpdate()
    D. execute()

11.5 Parameterized queries can be executed by?

    A. ParameterizedStatement
    B. PreparedStatement
    C. CallableStatement and Parameterized Statement
    D. All kinds of Statements

11.6 What should be the correct order to close the database resource? What should be the correct order to close the database resource?

    A. Connection, Statements, and then ResultSet
    B. ResultSet, Connection, and then Statements
    C. Statements, ResultSet, and then Connection
    D. ResultSet, Statements, and then Connection

11.7 Which method is used to establish the connection with the specified url in a Driver Manager class?

    A. public static void registerDriver(Driver driver)
    B. public static void deregisterDriver(Driver driver)
    C. public static Connection getConnection(String url)
    D. public static Connection getConnection(String url,String userName,String password)

11.8 Which driver Network connection is indirect that a JDBC client makes to a middleware process that acts as a bridge to the DBMS server?

    A. JDBC-Net
    B. JDBC-ODBC bridge
    C. Native API as basis
    D. Native protocol as basis

11.9 Which method is used for an SQL statement that is executed frequently?

    A. prepareStatement
    B. prepareCall
    C. createStatement
    D. None of the above

11.10 JDBC stands for?

    A. Java database connectivity
    B. Java database concept
    C. Java database communications
    D. None of the above