14 Lecture - CS506

Important Mcqs

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

Question 1: What does JDBC stand for in Java programming?
a) Java Data Buffer Connectivity
b) Java Database Control
c) Java Database Connectivity
d) Java Data Binding Control
Solution: c) Java Database Connectivity
Question 2: Which Java package provides the classes and interfaces for JDBC?
a) java.sql
b) java.db
c) java.jdbc
d) java.connectivity
Solution: a) java.sql
Question 3: What is the purpose of JDBC in Java programming?
a) Managing networking protocols

b) Handling GUI components

c) Enabling database interaction

d) Managing file I/O operations

Solution: c) Enabling database interaction
Question 4: What is a JDBC driver?
a) A class that manages GUI components
b) A component for handling networking
c) A software component for connecting to databases
d) A module for managing file operations
Solution: c) A software component for connecting to databases
Question 5: Which type of JDBC driver is platform-independent and communicates through a database network protocol?
a) Type 1
b) Type 2
c) Type 3
d) Type 4
Solution: d) Type 4
Question 6: Which interface is responsible for creating and managing connections in JDBC?
a) ConnectionManager
b) DatabaseConnector
c) ConnectionFactory
d) Connection
Solution: d) Connection
Question 7: What is the role of PreparedStatement in JDBC?
a) Managing database schema

c) Executing parameterized SQL queries
d) Handling GUI components
Solution: c) Executing parameterized SQL queries
Question 8: Which interface is used to retrieve and process query results in JDBC?
a) DataProcessor
b) ResultSet
c) QueryResult
d) DataRetriever
Solution: b) ResultSet
Question 9: Which method is used to establish a database connection in JDBC?
a) executeQuery()
b) connect()
c) getConnection()
d) openConnection()
Solution: c) getConnection()
Question 10: What is the purpose of the DriverManager class in JDBC?
a) Executing SQL queries
b) Managing database schema
c) Loading database drivers and establishing connections
d) Handling GUI components
Solution: c) Loading database drivers and establishing connections

b) Storing database credentials