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WEEK\_3\_ASSIGNMENT Modern Application Development (Java Spring Boot)

***QUE. Implement the JDBC Connectivity in JAVA.***

**CODE:**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class JdbcExample {

public static void main(String[] args) {

// JDBC driver name and database URL

String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

String DB\_URL = "jdbc:mysql://localhost:3306/mydatabase";

// Database credentials

String USER = "username";

String PASS = "password";

Connection conn = null;

Statement stmt = null;

try {

// Register JDBC driver

Class.forName(JDBC\_DRIVER);

// Open a connection

System.out.println("Connecting to database...");

conn = DriverManager.getConnection(DB\_URL, USER, PASS);

// Execute a query

System.out.println("Creating statement...");

stmt = conn.createStatement();

String sql = "SELECT id, name, age FROM employees";

ResultSet rs = stmt.executeQuery(sql);

// Process the result set

while (rs.next()) {

// Retrieve by column name

int id = rs.getInt("id");

String name = rs.getString("name");

int age = rs.getInt("age");

// Display values

System.out.print("ID: " + id);

System.out.print(", Name: " + name);

System.out.println(", Age: " + age);

}

// Clean-up environment

rs.close();

stmt.close();

conn.close();

} catch (SQLException se) {

// Handle errors for JDBC

se.printStackTrace();

} catch (Exception e) {

// Handle errors for Class.forName

e.printStackTrace();

} finally {

// Finally block used to close resources

try {

if (stmt != null)

stmt.close();

} catch (SQLException se2) {

// Nothing we can do

}

try {

if (conn != null)

conn.close();

} catch (SQLException se) {

se.printStackTrace();

}

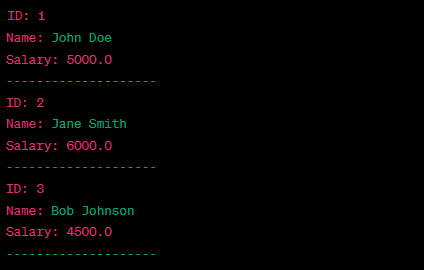
}

System.out.println("Goodbye!");

}

}

**Output:**

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