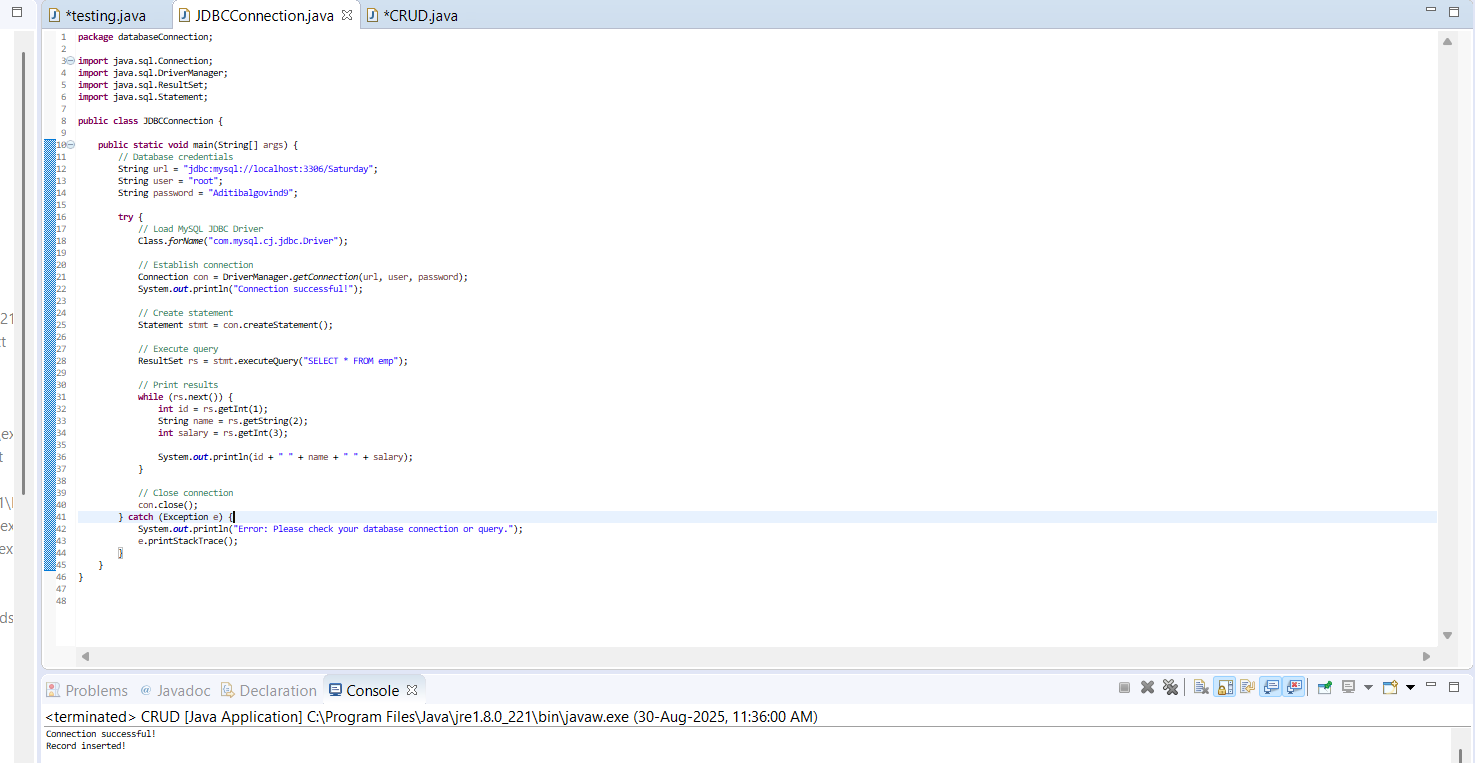
****

**1.package databaseConnection;**

**import java.sql.Connection;**

**import java.sql.DriverManager;**

**import java.sql.ResultSet;**

**import java.sql.Statement;**

**public class JDBCConnection {**

**public static void main(String[] args) {**

**// Database credentials**

**String url = "jdbc:mysql://localhost:3306/Saturday";**

**String user = "root";**

**String password = "Aditibalgovind9";**

**try {**

**// Load MySQL JDBC Driver**

**Class.*forName*("com.mysql.cj.jdbc.Driver");**

**// Establish connection**

**Connection con = DriverManager.*getConnection*(url, user, password);**

**System.*out*.println("Connection successful!");**

**// Create statement**

**Statement stmt = con.createStatement();**

**// Execute query**

**ResultSet rs = stmt.executeQuery("SELECT \* FROM emp");**

**// Print results**

**while (rs.next()) {**

**int id = rs.getInt(1);**

**String name = rs.getString(2);**

**int salary = rs.getInt(3);**

**System.*out*.println(id + " " + name + " " + salary);**

**}**

**// Close connection**

**con.close();**

**} catch (Exception e) {**

**System.*out*.println("Error: Please check your database connection or query.");**

**e.printStackTrace();**

**}**

**}**

**}**

**2.CRUD OPERATION**

**package** databaseConnection;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**public** **class** CRUD {

**public** **static** **void** main(String[] args) {

String url = "jdbc:mysql://localhost:3306/Saturday"; // your DB

String user = "root";

String password = "Aditibalgovind9";

**try** {

// Load driver

Class.*forName*("com.mysql.cj.jdbc.Driver");

// Establish connection

Connection con = DriverManager.*getConnection*(url, user, password);

System.***out***.println("Connection successful!");

// 1. INSERT

String insertQuery = "INSERT INTO emp (id, name, age) VALUES (?, ?, ?)";

PreparedStatement pstmt = con.prepareStatement(insertQuery);

pstmt.setInt(1, 4);

pstmt.setString(2, "Ramesh");

pstmt.setInt(3, 25);

pstmt.executeUpdate();

System.***out***.println("Record inserted!");

// 2. READ

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("SELECT \* FROM emp");

System.***out***.println("\nCurrent records in emp table:");

**while** (rs.next()) {

System.***out***.println(rs.getInt("id") + " " +

rs.getString("name") + " " +

rs.getInt("age"));

}

// 3. UPDATE

String updateQuery = "UPDATE emp SET age = ? WHERE id = ?";

pstmt = con.prepareStatement(updateQuery);

pstmt.setInt(1, 30);

pstmt.setInt(2, 2);

pstmt.executeUpdate();

System.***out***.println("\nRecord updated! (id=2 now age=30)");

// 4. DELETE

String deleteQuery = "DELETE FROM emp WHERE id = ?";

pstmt = con.prepareStatement(deleteQuery);

pstmt.setInt(1, 3);

pstmt.executeUpdate();

System.***out***.println("Record deleted! (id=3)");

// Display final state of table

rs = stmt.executeQuery("SELECT \* FROM emp");

System.***out***.println("\nFinal records in emp table:");

**while** (rs.next()) {

System.***out***.println(rs.getInt("id") + " " +

rs.getString("name") + " " +

rs.getInt("age"));

}

con.close();

} **catch** (Exception e) {

System.***out***.println("Error: Please check your database connection or query.");

e.printStackTrace();

}

}

}

