1. package Day11;

import java.sql.\*;

public class DeleteStudent {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/school\_db";

String user = "root";

String password = "password";

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

PreparedStatement ps = con.prepareStatement("DELETE FROM students WHERE id = ?")) {

ps.setInt(1, 1);

int rows = ps.executeUpdate();

System.***out***.println(rows + " record(s) deleted.");

} catch (SQLException e) {

e.printStackTrace();

}

}

}

2. package Day11;

import java.sql.\*;

public class FetchStudents {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/school\_db";

String user = "root";

String password = "password";

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

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("SELECT \* FROM students")) {

while (rs.next()) {

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

", Name: " + rs.getString("name") +

", Percentage: " + rs.getDouble("percentage"));

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

3. package Day11;

import java.sql.\*;

import java.util.Scanner;

public class InsertMultipleStudents {

private static final String URL = "jdbc:mysql://localhost:3306/school\_db";

private static final String USER = "root";

private static final String PASSWORD = "password";

public static void main(String[] args) {

try (Connection con = DriverManager.getConnection(URL, USER, PASSWORD);

Scanner sc = new Scanner(System.in)) {

System.out.println("Connected to database successfully!");

String sql = "INSERT INTO student (id, name, marks) VALUES (?, ?, ?)";

try (PreparedStatement ps = con.prepareStatement(sql)) {

System.out.print("How many students do you want to insert? ");

int n = sc.nextInt();

sc.nextLine(); // consume newline

for (int i = 1; i <= n; i++) {

System.out.println("\nEnter details for student " + i + ":");

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

int id = sc.nextInt();

sc.nextLine();

System.out.print("Name: ");

String name = sc.nextLine();

System.out.print("Marks: ");

int marks = sc.nextInt();

sc.nextLine();

ps.setInt(1, id);

ps.setString(2, name);

ps.setInt(3, marks);

ps.addBatch(); // add to batch

}

int[] result = ps.executeBatch(); // execute all inserts

System.out.println(result.length + " student(s) inserted successfully.");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

4. package Day11;

import java.sql.\*;

public class InsertStudents {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/school\_db";

String user = "root";

String password = "password";

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

Statement stmt = con.createStatement()) {

String sql = "INSERT INTO students (id, name, percentage) VALUES (1, 'Alice', 85.5)";

int rows = stmt.executeUpdate(sql);

System.***out***.println(rows + " record(s) inserted.");

} catch (SQLException e) {

e.printStackTrace();

}

}

}

5. package Day11;

import java.sql.\*;

public class JDBConnection {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/school\_db";

String user = "root";

String password = "password";

try {

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

System.***out***.println("Connected to MySQL database successfully!");

con.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

}

6.package Day11;

import java.sql.\*;

import java.util.Scanner;

public class SearchStudentById{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter student ID: ");

int id = sc.nextInt();

String url = "jdbc:mysql://localhost:3306/school\_db";

String user = "root";

String password = "password";

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

PreparedStatement ps = con.prepareStatement("SELECT \* FROM students WHERE id = ?")) {

ps.setInt(1, id);

ResultSet rs = ps.executeQuery();

if (rs.next()) {

System.out.println("ID: " + rs.getInt("id") +

", Name: " + rs.getString("name") +

", Percentage: " + rs.getDouble("percentage"));

} else {

System.out.println("Student not found.");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

7. package Day11;

import java.sql.\*;

public class UpdateStudent {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/school\_db";

String user = "root";

String password = "password";

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

PreparedStatement ps = con.prepareStatement(

"UPDATE students SET name = ?, percentage = ? WHERE id = ?")) {

ps.setString(1, "Bob");

ps.setDouble(2, 92.0);

ps.setInt(3, 1);

int rows = ps.executeUpdate();

System.***out***.println(rows + " record(s) updated.");

} catch (SQLException e) {

e.printStackTrace();

}

}

}