**package jdbc;**

**import java.sql.\*;**

**import java.util.Scanner;**

**public class jdbc {**

**private static final String URL = "jdbc:mariadb://10.10.13.97:3306/te31252\_db";**

**private static final String USER = "te31252";**

**private static final String PASSWORD = "te31252";**

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

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

**Scanner scanner = new Scanner(System.in)) {**

**System.out.println("Connected to the database.");**

**while (true) {**

**System.out.println("\nChoose an operation:");**

**System.out.println("1. Add User");**

**System.out.println("2. View Users");**

**System.out.println("3. Update User");**

**System.out.println("4. Delete User");**

**System.out.println("5. Exit");**

**int choice = scanner.nextInt();**

**scanner.nextLine(); // Consume newline**

**if (choice == 5) {**

**System.out.println("Exiting...");**

**break;**

**}**

**switch (choice) {**

**case 1:**

**System.out.print("Enter name: ");**

**String name = scanner.nextLine();**

**System.out.print("Enter email: ");**

**String email = scanner.nextLine();**

**String insertSQL = "INSERT INTO users (name, email) VALUES (?, ?)";**

**try (PreparedStatement pstmt = conn.prepareStatement(insertSQL)) {**

**pstmt.setString(1, name);**

**pstmt.setString(2, email);**

**pstmt.executeUpdate();**

**System.out.println("User added successfully.");**

**} catch (SQLException e) {**

**e.printStackTrace();**

**}**

**break;**

**case 2:**

**String selectSQL = "SELECT \* FROM users";**

**try (Statement stmt = conn.createStatement();**

**ResultSet rs = stmt.executeQuery(selectSQL)) {**

**System.out.println("Users:");**

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

**System.out.println(rs.getInt("id") + ": " + rs.getString("name") + " (" + rs.getString("email") + ")");**

**}**

**} catch (SQLException e) {**

**e.printStackTrace();**

**}**

**break;**

**case 3:**

**System.out.print("Enter user ID to update: ");**

**int idToUpdate = scanner.nextInt();**

**scanner.nextLine();**

**System.out.print("Enter new name: ");**

**String newName = scanner.nextLine();**

**System.out.print("Enter new email: ");**

**String newEmail = scanner.nextLine();**

**String updateSQL = "UPDATE users SET name = ?, email = ? WHERE id = ?";**

**try (PreparedStatement pstmt = conn.prepareStatement(updateSQL)) {**

**pstmt.setString(1, newName);**

**pstmt.setString(2, newEmail);**

**pstmt.setInt(3, idToUpdate);**

**int rowsAffected = pstmt.executeUpdate();**

**System.out.println(rowsAffected > 0 ? "User updated successfully." : "User not found.");**

**} catch (SQLException e) {**

**e.printStackTrace();**

**}**

**break;**

**case 4:**

**System.out.print("Enter user ID to delete: ");**

**int idToDelete = scanner.nextInt();**

**String deleteSQL = "DELETE FROM users WHERE id = ?";**

**try (PreparedStatement pstmt = conn.prepareStatement(deleteSQL)) {**

**pstmt.setInt(1, idToDelete);**

**int rowsAffected = pstmt.executeUpdate();**

**System.out.println(rowsAffected > 0 ? "User deleted successfully." : "User not found.");**

**} catch (SQLException e) {**

**e.printStackTrace();**

**}**

**break;**

**default:**

**System.out.println("Invalid choice. Try again.");**

**}**

**}**

**} catch (SQLException e) {**

**e.printStackTrace();**

**}**

**}**

**}**