import java.io.\*;

import java.sql.\*;

import java.util.Scanner;

import java.io.IOException;

public class connect {

public static void main(String[] args) {

try {

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

Connection conn = DriverManager.getConnection(

"jdbc:mysql://localhost:3306/dyp",

"root",

"root"

);

PreparedStatement stm = null;

Statement stmt = conn.createStatement();

int ch;

Scanner sc = new Scanner(System.in);

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

do {

int r;

String n = null;

System.out.println(

"Enter Your choice \n1 Insert\n2 Update\n3 Delete\n4 Display\n5 Exit"

);

ch = sc.nextInt();

switch (ch) {

case 1:

System.out.println("Enter Roll No");

r = Integer.parseInt(br.readLine());

System.out.println("Enter Name");

n = br.readLine();

String sql =

"INSERT INTO info (roll, name) VALUES (?, ?)";

stm = conn.prepareStatement(sql);

// Set param values

stm.setInt(1, r);

stm.setString(2, n);

// Execute SQL query

stm.executeUpdate();

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

break;

case 2:

System.out.println("Enter Roll No to update");

r = Integer.parseInt(br.readLine());

System.out.println("Enter Name");

n = br.readLine();

String query = "UPDATE info SET name=? WHERE roll=?";

stm = conn.prepareStatement(query);

stm.setString(1, n);

stm.setInt(2, r);

stm.executeUpdate();

System.out.println("Record updated");

break;

case 3:

System.out.println("Enter Roll No to delete");

r = Integer.parseInt(br.readLine());

String sql1 = "DELETE FROM info WHERE roll=?";

stm = conn.prepareStatement(sql1);

stm.setInt(1, r);

int rowsDeleted = stm.executeUpdate();

if (rowsDeleted > 0) {

System.out.println("Record deleted");

} else {

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

}

break;

case 4:

String qr = "SELECT \* FROM info ORDER BY roll";

ResultSet rs = stmt.executeQuery(qr);

while (rs.next()) {

r = rs.getInt("roll");

n = rs.getString("name");

System.out.println("Roll No: " + r + "\tName: " + n);

}

break;

case 5:

System.out.println("Thank You");

break;

default:

System.out.println("Invalid Choice");

}

} while (ch != 5);

if (stm != null) {

stm.close();

}

stmt.close();

conn.close();

} catch (SQLException | ClassNotFoundException | IOException e) {

e.printStackTrace();

}

}

}