package crud\_operation;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.Scanner;

public class CRUD\_Operation {

public static void main(String[] args) {

CRUD\_Operation objTest=new CRUD\_Operation();

// objTest.create\_data("103", "manoj");

// objTest.create\_data("104", "karthick");

Scanner sc = new Scanner(System.in);

//

// System.out.println("Enter Student ID: ");

// String sId = sc.nextLine();

//

// System.out.println("Enter Student name: ");

// String sName = sc.nextLine();

//

// objTest.create\_data(sId, sName);

//objTest.read\_data\_condition1();

//

// System.out.println("Enter Old Student ID: ");

// String old\_sId = sc.nextLine();

// System.out.println("Enter new student id: ");

// String new\_sId = sc.nextLine();

// System.out.println("Enter old student name: ");

// String old\_sName = sc.nextLine();

// System.out.println("Enter new student name: ");

// String new\_sName = sc.nextLine();

//

// objTest.update\_data(old\_sId, new\_sId, old\_sName, new\_sName);

// objTest.read\_data();

// objTest.alter\_data();

System.out.println("Enter the id of the student to be deleted: ");

String sId = sc.nextLine();

objTest.delete\_data(sId);

}

public void create\_data(String sl\_no,String name){

DB\_Connection obj\_DB\_Connection=new DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=null;

try {

String query="insert into student values (?,?)";

ps=connection.prepareStatement(query);

ps.setString(1, sl\_no);

ps.setString(2, name);

//ps.setInt(3, mark);

System.out.println(ps);

ps.executeUpdate();

} catch (Exception e) {

System.out.println(e);

}

}

public void read\_data(){

DB\_Connection obj\_DB\_Connection=new DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=null;

ResultSet rs = null;

try {

String query="select \* from student";

ps=connection.prepareStatement(query);

rs = ps.executeQuery();

while(rs.next()){

System.out.println("Student ID: " + rs.getString(1));

System.out.println("Student Name: " + rs.getString(2));

}

} catch (Exception e) {

System.out.println(e);

}

}

public void read\_data\_condition1(){

DB\_Connection obj\_DB\_Connection=new DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=null;

ResultSet rs = null;

try {

String query="select \* from student where s\_name like 'a%' ";

ps=connection.prepareStatement(query);

rs = ps.executeQuery();

while(rs.next()){

System.out.println("Student ID: " + rs.getString(1));

System.out.println("Student Name: " + rs.getString(2));

}

} catch (Exception e) {

System.out.println(e);

}

}

public void update\_data(String old\_sId,String new\_sId, String old\_sName,String new\_sName){

DB\_Connection obj\_DB\_Connection=new DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=null;

try{

String query = "update student set s\_id = ?, s\_name = ? where s\_id = ?";

ps = connection.prepareStatement(query);

ps.setString(1, new\_sId);

ps.setString(2, new\_sName);

ps.setString(3,old\_sId);

System.out.println(ps);

ps.executeUpdate();

}

catch(Exception e){

System.out.println(e);

}

}

public void alter\_data(){

DB\_Connection obj\_DB\_Connection=new DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=null;

try{

String query = "alter table student add marks int not null default ?";

ps = connection.prepareStatement(query);

ps.setInt(1, 0);

System.out.println(ps);

ps.executeUpdate();

}

catch(Exception e){

System.out.println(e);

}

}

public void delete\_data(String sId){

DB\_Connection obj\_DB\_Connection=new DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=null;

try{

String query = "delete from student where s\_id = ?";

ps = connection.prepareStatement(query);

ps.setString(1, sId);

System.out.println(ps);

ps.executeUpdate();

}

catch(Exception e){

System.out.println(e);

}

}

}