**BISMA PERVAIZ**

**124642**

**BESE 6B**

**LAB 6 PART 2**

Git: https://github.com/bpervaiz/labs

**Code:**

MAIN

package sc\_lab6\_part2;

import java.sql.\*;

import java.util.Scanner;

public class SC\_lab6\_part2 {

public static void main(String[] args){

DBConnect connect = new DBConnect();

System.out.println("Press: \n1 to display all records\n2 to search a record\n3 to delete a record\n");

Scanner input1 = new Scanner(System.in);

String opt = input1.nextLine();

if(opt.equals("1")){

connect.getData();

}

if(opt.equals("2")){

connect.searchData();

}

if(opt.equals("3")){

connect.deleteData();

}

}

}

DBCONNECT CLASS

package sc\_lab6\_part2;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.Scanner;

/\*\*

\*

\* @author Bisma

\*/

public class DBConnect {

private Connection con;

private Statement st;

private ResultSet rs;

public DBConnect(){

try{

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/university","root","");

st = con.createStatement();

}

catch (Exception ex){

System.out.println("Error: "+ex);

}

}

public void getData(){

try{

String query = "select \* from student";

rs = st.executeQuery(query);

System.out.println("Records\n");

while(rs.next()){

String Name = rs.getString("Name");

String RegNo = rs.getString("RegNo");

String Class = rs.getString("Class");

String Section = rs.getString("Section");

String Contact = rs.getString("Contact");

String Address = rs.getString("Address");

System.out.println(RegNo+" "+Name+" "+Class+" "+Section+" "+Contact+" "+Address);

}

}

catch(Exception ex){

System.out.println(ex);

}

}

public void searchData(){

try{

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

Scanner input1 = new Scanner(System.in);

String name = input1.nextLine();

String query = "select \* from student where Name = '"+name+"'";

rs = st.executeQuery(query);

while(rs.next()){

String Name = rs.getString("Name");

String RegNo = rs.getString("RegNo");

String Class = rs.getString("Class");

String Section = rs.getString("Section");

String Contact = rs.getString("Contact");

String Address = rs.getString("Address");

System.out.println(RegNo+" "+Name+" "+Class+" "+Section+" "+Contact+" "+Address);

}

}

catch(Exception ex){

System.out.println(ex);

}

}

public void deleteData(){

try{

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

Scanner input1 = new Scanner(System.in);

String name = input1.nextLine();

String query = "delete from student where Name = '"+name+"'";

st.executeUpdate(query);

}

catch(Exception ex){

System.out.println(ex);

}

}

}





