**clsdb.java**

import java.sql.\*;

public class clsdb {

Connection cn;

Statement st;

String url = "jdbc:mysql://localhost:3306/rro", username = "root", password = "";

public clsDB() {

try {

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

cn = DriverManager.getConnection(url, username, password);

} catch (Exception err) {

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

}

}

public void myExecuteQry(String s) {

try {

st = cn.createStatement();

st.executeUpdate(s);

} catch (SQLException e) {

e.printStackTrace();

}

}

public ResultSet getResultSet(String s) {

ResultSet r;

try {

st = cn.createStatement();

r = st.executeQuery(s);

return r;

} catch (SQLException e) {

e.printStackTrace();

}

return null;

}

public void addStudent(Student stud) {

String q = "insert into stud (sno,sname) values (" + stud.getSno() + ",'" + stud.getSname() + "')";

myExecuteQry(q);

}

public void updateStudent(Student stud) {

String q = "update stud set sname = '" + stud.getSname() + "' where sno = " + stud.getSno() + "";

myExecuteQry(q);

}

public void deleteStudent(Student stud) {

String q = "delete from stud where sno = " + stud.getSno() + "";

myExecuteQry(q);

}

public void displayStudent() throws SQLException {

ResultSet r = getResultSet("Select \* from stud");

System.out.println("No.\t\t\tName");

while (r.next()) {

System.out.print(r.getInt(1) + "\t\t\t" + r.getString(2) + "\n");

}

}

}

**Student.java**

import java.util.Scanner;

public class Student

{

private int sno;

private String sname;

Scanner sc = new Scanner(System.in);

public void readSno()

{

System.out.print("Enter stud no : ");

sno = sc.nextInt();

}

public void readSname()

{

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

sname = sc.next();

}

public void readSDOB()

{

System.out.print("Enter stud DOB : ");

sname = sc.nextInt();

}

public void readSDOJ()

{

System.out.print("Enter stud DOJ : ");

sname = sc.nextInt();

}

public int getSTUDENT\_No() {

return STUDENT\_No;

}

public void setSTUDENT\_NO(int STUDENT\_No) {

this.STUDENT\_NO = STUDENT\_No;

}

public String getSTUDENT\_NAME() {

return STUDENT\_NAME;

}

public void setSname(String STUDENT\_NAME) {

this.sname = STUDENT\_NAME;

}

public int getSSTUDENT\_DOB() {

return STUDENT\_DOB;

}

public void setSTUDENT\_DOJ(int STUDENT\_DOJ) {

this.STUDENT\_DOJ = STUDENT\_DOJ;

}

public int getSTUDENT\_DOJ() {

return STUDENT\_DOJ;

}

public void setSTUDENT\_DOJ(int STUDENT\_DOJ) {

this.STUDENT\_DOJ = STUDENT\_DOJ;

}

}

**Main.java**

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.Scanner;

public class Main

{

public static void main(String[] args) throws SQLException

{

Scanner sc = new Scanner(System.in);

clsDB db = new clsDB();

int ch=0;

Student stud = new Student();

while(ch!=5)

{

System.out.println("Main Menu for Student Data Entry");

System.out.println("1. Add student details");

System.out.println("2. Update student details");

System.out.println("3. Delete student details");

System.out.println("4. Display all the student details");

System.out.println("5.Search Student. ");

System.out.println("6. Exit");

System.out.print("Enter your choice : ");

ch = sc.nextInt();

if(ch == 1)

{

System.out.println("Adding student details");

System.out.print("Enter stud no : ");

stud.setSno(sc.nextInt());

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

stud.setSname(sc.next());

db.myExecuteQry("insert into STUDENT (STUDENT\_NO,STUDENT\_NAME) values ("+STUDENT.getSTUDENT\_NO()+",'"+STUDENT.getSTUDENT\_NAME()+"'+'"+STUDENT.getSTUDENT\_DOB()+"', '"+STUDENT.getSTUDENT\_DOJ()+"')");

System.out.println("Record added successfully...");

}

else if(ch == 2)

{

System.out.println("Updating student details");

System.out.print("Enter stud no to be updated : ");

stud.setSno(sc.nextInt());

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

stud.setSname(sc.next());

db.myExecuteQry("update STUDENT set STUDENT\_NAME = '"+STUDENT.getSTUDENT\_NAME()+"' STUDENT.getSTUDENT\_NO()+"");

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

}

else if(ch == 3)

{

System.out.println("Deleting student details");

System.out.print("Enter stud no to be deleted : ");

stud.setSno(sc.nextInt());

db.myExecuteQry("delete from STUDENT where STUDENT\_N0 = "+STUDENT.getSTUDENT\_NO()+"");

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

}

else if(ch == 4)

{

System.out.println("Displaying student details");

ResultSet r = db.getResultSet("Select \* from STUDENT");

System.out.println("No.\t\t\tName");

while(r.next())

{

System.out.print(r.getInt(1)+"\t\t\t"+r.getString(2)+"\n");

}

}

else if(ch == 5)

{

System.out.println("Searchi Student Details.");

db.myExecuteQry("SELECT STUDENT\_NAME

FROM users WHERE id = STUDENT\_NO");

System.out.println("No.\t\t\tName");

while(r.next())

System.out.print(r.getInt(1)+"\t\t\t"+r.getString(2)+"\n");

}

}

else if(ch==6)

{

System.exit(0);

}

}

}

}

**SQL DataBaseTable:**

