package Mypackage;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.sql.Statement;

public class JDBCdemo {

String username, password, url,driver;

Connection con;

Statement s;

public JDBCdemo() {

username="system";

password="password";

url="jdbc:oracle:thin:@localhost:1521:orcl";

driver="oracle.jdbc.driver.OracleDriver";

try{

Class.forName(driver);

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

s=con.createStatement();

System.out.println(con+"Connection established");

}catch(ClassNotFoundException e) {

e.printStackTrace();

}catch(SQLException e) {

e.printStackTrace();

}

}

public void createTable() {

String sql1= "create table Student(Sid int,Sname varchar2(20),Class varchar2(20))";

try {

s.executeUpdate(sql1);

System.out.println("Table created");

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

public void insertRecord() {

String insertQuery="insert into Student(Sid,Sname,Class) values(1,'Deepthi','Class\_A')";

try {

s.executeUpdate(insertQuery);

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

public void getData() throws SQLException {

String selectQuery="select Student.\* , Teacher.Tid, Teacher.Tname from Student inner join Teacher on Student.Class= Teacher.Class Where Student.Class= 'Class\_C'";

ResultSet rs =s.executeQuery(selectQuery);

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

System.out.println(rs.getInt(1)+"\t"+rs.getString(2));

}\*/

ResultSetMetaData rsd= rs.getMetaData();

while(rs.next()) {

for(int i=1;i<=rsd.getColumnCount();i++) {

System.out.print("\t"+rs.getString(i)+"\t");

}

System.out.println();

}

}

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

JDBCdemo demo=new JDBCdemo();

//demo.createTable();

//demo.insertRecord();

demo.getData();

System.out.println("end of main");

}

}