**Java Web开发**

**实验八**

**作业报告**

|  |  |
| --- | --- |
| 学 院 | 计算机 |
| 所在系 班 级 | 2017软件工程系8班 |
| 学 号 姓 名 | 04171604张雨秋 |
| 指 导 教 师 | 郭晓燕 |
| 完 成 时 间 | 2019年4月- |

# 实验题目

1. 第一次实验内容：**在JavaBean中实现对数据库的两种连接方式：JDBC-ODBC桥、纯Java驱动，并在JSP中调用；**

# 关键源码（部分）

**package** bean;

**import** java.io.Serializable;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** java.util.ArrayList;

**public** **class** User **implements** Serializable {

**private** String username;

**private** String password;

**public** User() {

}

**public** User(String username, String password) {

**super**();

**this**.username = username;

**this**.password = password;

}

**public** String getUsername() {

**return** **this**.username;

}

**public** **void** setUsername(String username) {

**this**.username = username;

}

**public** String getPassword() {

**return** **this**.password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

**public** ArrayList<User> jdbc() {

ArrayList<User> userList = **new** ArrayList<User>();

**try** {

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

Connection connection = DriverManager.*getConnection*(

"jdbc:mysql://localhost:3306/man", "root", "");

Statement statement = (Statement) connection.createStatement();

ResultSet resultSet = statement.executeQuery("select \* from man");

**while** (resultSet.next()) {

User user = **new** User();

user.setUsername(resultSet.getString("username"));

user.setPassword(resultSet.getString("password"));

userList.add(user);

}

} **catch** (Exception e) {

}

**return** userList;

}

**public** ArrayList<User> odbc() {

ArrayList<User> userList = **new** ArrayList<User>();

**try** {

Class.*forName*("sun.jdbc.odbc.JdbcOdbcDriver");

Connection connection = DriverManager.*getConnection*(

"jdbc:odbc:test", "root", "");

Statement statement = (Statement) connection.createStatement();

ResultSet resultSet = statement.executeQuery("select \* from man");

**while** (resultSet.next()) {

User user = **new** User();

user.setUsername(resultSet.getString("username"));

user.setPassword(resultSet.getString("password"));

userList.add(user);

}

} **catch** (Exception e) {

}

**return** userList;

}

}

二．Jsp

<body>

<form action=*"data"* method=*"get"*>

<input type=*"hidden"* value=*"jdbc"* name=*"connection"* /> <input

type=*"submit"* value=*"纯Java驱动方式查询"* />

</form>

<form action=*"data"* method=*"get"*>

<input type=*"hidden"* value=*"odbc"* name=*"connection"* /> <input

type=*"submit"* value=*"JDBC-ODBC桥方式查询"* />

</form>

<c:forEach var=*"i"* items=*"*${userList }*"*>

账户名为：${i.username }

密码为：${i.password }

<br />

</c:forEach>

</body>

</html>

三．

**public** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

response.setContentType("text/html;charset=utf-8");

**if** (request.getParameter("connection").equals("jdbc")) ；

User user = **new** User();

HttpSession session = request.getSession();

session.setAttribute("userList", user.jdbc());

} **else{**

User user = **new** User();

HttpSession session = request.getSession();

session.setAttribute("userList", user.odbc());

}

request.getRequestDispatcher("index.jsp").forward(request, response);

}

# 运行效果图

