# JDBC操作

**public** **class** JdbcTest **extends** HttpServlet{

**private** String driver = "com.mysql.jdbc.Driver";

**private** String url = "jdbc:mysql://127.0.0.1:3306/bookdb?useUnicode=true&characterEncoding=UTF-8";

**private** String sql = "select \* from user";

@Override

**protected** **void** doGet(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {

Connection con = **null**;

ResultSet result = **null**;

resp.setContentType("text/html;charset=UTF-8");

PrintWriter out = resp.getWriter();

**try** {

//1、注册

Class.*forName*(driver);

//2、获取连接

con = DriverManager.*getConnection*(url, "root", "123456");

//3、获取Statement

Statement state = con.createStatement();

//4、执行操作

result = state.executeQuery(sql);

**while**(result.next()) //显示结果集的内容

{

String name = result.getString("name");

System.***out***.println(name);

out.println(name);

}

} **catch** (ClassNotFoundException e) {

e.printStackTrace();

} **catch** (SQLException e) {

e.printStackTrace();

}

}

@Override

**protected** **void** doPost(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException {

doGet(req, resp);

}

}

配置web.xml

# 2.发送数据：

//JSON数据格式

//JSON里面对象【键值对】{}、数组【单个的数据】[]

String json = "";

**while**(result.next()) //显示结果集的内容

{

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

user.setId(result.getInt("id"));

user.setName(result.getString("name"));

user.setNickname(result.getString("nickname"));

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

user.setSex(result.getInt("sex"));

user.setAge(result.getInt("age"));

user.setUsertype(result.getInt("usertype"));

Gson gson = **new** Gson();

json = gson.toJson(user);

out.println(json);

}

# JS脚本：

<script type=*"text/javascript"*>

**function** getData() {

//Jquery:这里只使用JQuery的标志和ajax方法

//document.getElementById('id')==>$('id')

//{}:对象：键值对

$.ajax({

type:"post",

url:"http://localhost:8080/First/jdbc",

async:**true**,//是否异步请求

dataType:"json",//返回的数据类型

success:**function**(data){//当请求成功的时候调用的方法

$.each(data,**function**(n,value){//value:是每次的循环的值

$("tbody").append('<tr><td>'+value.id+'</td><td>'+value.name+'</td><td>'+value.nickname+'</td><td>'+value.password+'</td><td>'+value.age+'</td><td>'+value.sex+'</td><td>'+value.usertype+'</td></tr>');//追加内容

})

},

error:**function**(){

alert("请求失败");

}

});

}

getData();

</script>

# 修改的地方：

//5、发送到客户端

//JSON数据格式

//JSON里面对象【键值对】{}、数组【单个的数据】[]

String json = "";

List<User> list = **new** ArrayList<User>();

Gson gson = **new** Gson();

**while**(result.next()) //显示结果集的内容

{

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

user.setId(result.getInt("id"));

user.setName(result.getString("name"));

user.setNickname(result.getString("nickname"));

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

user.setSex(result.getInt("sex"));

user.setAge(result.getInt("age"));

user.setUsertype(result.getInt("usertype"));

list.add(user);

}

json = gson.toJson(list);

out.println(json);

} **catch** (ClassNotFoundException e) {

e.printStackTrace();

} **catch** (SQLException e) {

e.printStackTrace();

}

<div class=*"container"*>

<table class=*"table table-bordered"* id=*"table"*>

<thead>

<tr>

<th>ID</th>

<th>名字</th>

<th>昵称</th>

<th>密码</th>

<th>性别</th>

<th>年龄</th>

<th>用户类型</th>

</tr>

</thead>

<tbody></tbody>

</table>

</div>