**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 |
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| 指 导 教 师 | 郭晓燕 |
| 完 成 时 间 | 2019年5月8 |

# 实验题目

1、（必做）请用模型2MVC模式完成1个功能，功能自选，例如：登录、注册、发帖、计算税收等；

# 关键源码（部分）

使用了MVC模式实现了计算税收功能。

View:Index.jsp; Success.jsp; fail.jsp;

Model:tax.java;

Controller:Judge.java;

## Index.jsp

<html>

<head>

<meta charset=*"utf-8"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1"*>

<link rel=*"stylesheet"* href=*"https://cdn.staticfile.org/twitter-bootstrap/4.1.0/css/bootstrap.min.css"*>

<script src=*"https://cdn.staticfile.org/jquery/3.2.1/jquery.min.js"*></script>

<script src=*"https://cdn.staticfile.org/popper.js/1.12.5/umd/popper.min.js"*></script>

<script src=*"https://cdn.staticfile.org/twitter-bootstrap/4.1.0/js/bootstrap.min.js"*></script>

</head>

<body>

<table width=*"100%"* height=*"80%"* cellpadding=*"0"* cellspacing=*"0"*>

<tr>

<td valign=*"top"* align=*"left"*>

<div class=*"container"*>

<form method=*post* name=*form* action=*"judege.do"*>

<div class=*"form-group"* style="width:*100%*">

<label for=*"income"*>input your income：</label>

<br><input type=*"text"* name=*"income"* class=*"form-control"*>（income>1600）

</div>

<button type=*"submit"* class=*"btn btn-primary"*>Submit</button>

</form>

</div>

</td>

</tr>

</table>

</body>

</html>

## Judge.java

public class jump extends HttpServlet {

public void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

HttpSession session=request.getSession();

if(request.getParameter("income")==null||request.getParameter("income")=="") {

session.setAttribute("key", "NULL");

response.sendRedirect("fail.jsp");

}

else if(Double.parseDouble(request.getParameter("income"))<1600) {

session.setAttribute("key", "invalid number");

response.sendRedirect("fail.jsp");

}

else {

double income=Double.parseDouble(request.getParameter("income"));

tax TAX=new tax(income);

session.setAttribute("TAX", TAX);

response.sendRedirect("success.jsp");

}

}

}

## tax.java

**public** **class** tax {

**double** taxIncome;

**double** taxPay;

**public** tax(**double** taxIncome) {

**this**.taxIncome=taxIncome;

**this**.taxPay=count(taxIncome);

}

**public** **double** count(**double** taxIncome){

**double** result = 0;

**double** dr=taxIncome-1600;

**if**(dr<=500)

result=dr\*0.05-0;

**if**(dr>500&&dr<=3000)

result=dr\*0.1-25;

**if**(dr>3000&&dr<=5000)

result=dr\*0.15-125;

**if**(dr>5000&&dr<=20000)

result=dr\*0.2-375;

**if**(dr>20000&&dr<=40000)

result=dr\*0.25-1375;

**if**(dr>40000&&dr<=60000)

result=dr\*0.3-3375;

**if**(dr>60000&&dr<=80000)

result=dr\*0.35-6375;

**if**(dr>80000&&dr<=100000)

result=dr\*0.4-10375;

**if**(dr>100000)

result=dr\*0.45-15375;

**return** result;

}

**public** **double** getTaxpay() {

**return** taxPay;

}

**public** **double** getTaxincome() {

**return** taxIncome-taxPay;

}

}

## Success.jsp

<html>

<head>

<meta charset=*"utf-8"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1"*>

<link rel=*"stylesheet"* href=*"https://cdn.staticfile.org/twitter-bootstrap/4.1.0/css/bootstrap.min.css"*>

<script src=*"https://cdn.staticfile.org/jquery/3.2.1/jquery.min.js"*></script>

<script src=*"https://cdn.staticfile.org/popper.js/1.12.5/umd/popper.min.js"*></script>

<script src=*"https://cdn.staticfile.org/twitter-bootstrap/4.1.0/js/bootstrap.min.js"*></script>

</head>

<body>

<table width=*"100%"* height=*"100%"* cellpadding=*"0"* cellspacing=*"0"*>

<tr>

<td valign=*"top"* align=*"left"*>

<div class=*"alert alert-success"* style="width:*100%*">

<p>Tax：</p>

<center><h1><%tax TAX=(tax)session.getAttribute("TAX"); %>

<%=TAX.getTaxpay() %>yuan</h1>

<h1>your after-tax income are <%=TAX.getTaxincome() %></h1></center>

<a href=*"index.jsp"*>return</a>

</div>

</td>

</tr></table>

</body>

</html>

## Fail.jsp

<body>

<table width=*"100%"* height=*"100%"* cellpadding=*"0"* cellspacing=*"0"*>

<tr>

<td valign=*"top"* align=*"left"*>

<div class=*"alert alert-danger"* style="width:*100%*">

<center><h1><%String key=(String)session.getAttribute("key"); %>

<%=key%></h1></center>

<a href=*"index.jsp"*>return</a>

</div>

</td>

</tr>

</table>

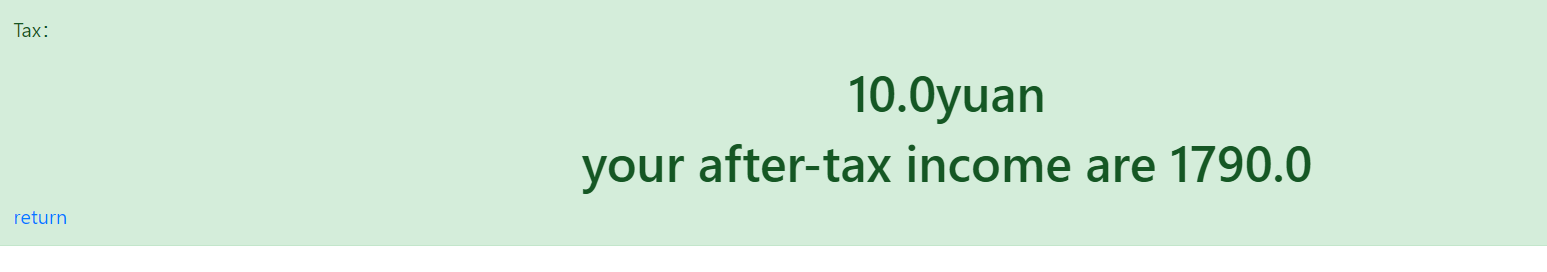
</body>

# 运行效果图

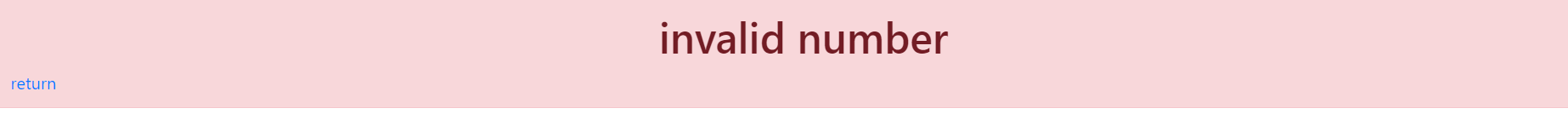
输入income=1800

图片包含 屏幕截图

描述已自动生成



当输入income<1600时



输入为空值时

