**Java Web开发**

**实验八**

**作业报告**

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# 实验题目

（必做）请用模型2 MVC模式完成一个功能，功能自选，如：登录，注册、发帖和计算税收等。

# 关键源码

Customer.java

**package** test7;

**public** **class** Customer {

String name; //姓名

**int** Income;

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getIncome() {

**return** Income;

}

**public** **void** setIncome(**int** income) {

**this**.Income = income;

}

}

InComeTax.java

**package** test7;

**import** test7.CalTax;

**import** java.io.IOException;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** javax.servlet.http.HttpSession;

@WebServlet("/InComeTax")

**public** **class** InComeTax **extends** HttpServlet {

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

request.setCharacterEncoding("utf-8");

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

CalTax tax=**new** CalTax();

HttpSession session=request.getSession();

tax.name=request.getParameter("name");

tax.Income = Integer.*parseInt*(request.getParameter("income"));

tax.Level(tax.Income);

tax.setTaxable(0);

tax.setAfterTax(0);

**if**(tax.name==**null**)

{

tax.name="";

tax.Income=0;

response.sendRedirect("InCome.jsp");

}

**else** {

session.setAttribute("CustomerName", tax.getName());

session.setAttribute("CustomerAfterTax", tax.getAfterTax());

response.sendRedirect("AfterTax.jsp");

}

}

}

CalTax.java

**package** test7;

**public** **class** CalTax **extends** Customer{

**int** Taxable; //应纳税所得额=InCome-1600

**double** AfterTax; //缴纳税收

**int** []rate={5,10,15,20,25,30,35,40,45}; //不同等级的税率

**int** []cal= {0,25,125,375,1375,3375,6375,10375,15375};//速算扣除法

**int** i;

**public** **int** Level(**int** dr)

{

**if**( dr <=500 ) i=1;

**else** **if**(dr > 500 && dr <=3000) i=2;

**else** **if**(dr > 3000 && dr <=5000) i=3;

**else** **if**( dr >5000 && dr <=20000) i=4;

**else** **if**(dr >20000 && dr <=40000) i=5;

**else** **if**( dr>4000 && dr <=60000) i=6;

**else** **if**( dr >6000 && dr <=80000) i=7;

**else** **if**( dr >8000 && dr <=100000) i=8;

**else** **if**( dr >100000) i=9;

**return** i;

}

**public** **int** getTaxable() {

**return** Taxable;

}

**public** **void** setTaxable(**int** taxable) {

Taxable = Income-1600;

}

**public** **double** getAfterTax() {

**return** AfterTax;

}

**public** **void** setAfterTax(**double** afterTax) {

AfterTax=(Taxable\*rate[i-1]\*0.01)-cal[i-1];

}

}

AfterTax.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=utf-8"*

pageEncoding=*"utf-8"*%>

<% request.setCharacterEncoding("utf-8"); %>

<%@ page import =*"test7.CalTax"* %>

<%@page import=*"test7.Customer"* %>

<!DOCTYPE html>

<html>

<head>

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

<title>After-Tax</title>

</head>

<body bgcolor=*cyan*>

<br>${CustomerName} !您好<br>

<br>您全月缴纳税收为： ${CustomerAfterTax}

</body>

</html>

InCome.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=utf-8"*

pageEncoding=*"UTF-8"*%>

<% request.setCharacterEncoding("utf-8"); %>

<!DOCTYPE html>

<html>

<head>

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

<title>收入页面</title>

</head>

<body bgcolor=*cyan*>

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

<br>请输入您的姓名： <input type=*"text"* name=*"name"* value=*""*>

<br>

<br>

<br>

<br>

<br>请输入您的月收入： <input type=*"text"* name=*"income"* value=*""*>

<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<input type=*"submit"* value=*"提交"* name=*"submit"*>

</form>

</body>

</html>

# 运行效果图

# C:\Users\HP\AppData\Local\Temp\1557064156(1).png

