**实 验 报 告**

**辽宁科技大学计算机与软件工程学院 2022年5月5日**

|  |  |  |  |
| --- | --- | --- | --- |
| **课名： JSP程序设计** | **实验题目：Servlet** | | |
| **班级：软件204** | **姓名: 于有为** | **学号：120203504005** | **任课教师：袁平** |
| **实验目的：**   1. 掌握Servlet的编程结构； 2. 理解Servlet的生命周期； 3. 熟悉Servlet的配置文件； 4. 掌握doPost方法doGet方法互相调用； 5. 掌握转发； 6. 掌握Servlet处理中文乱码； 7. 掌握在Servlet中获取初始化参数。 | | | |
| **实验内容：**   1. 实验习题1了解Servet的生命周期   解题内容  **package com.uvcode.Servlet; import javax.servlet.\*; import javax.servlet.http.\*; import javax.servlet.annotation.\*; import java.io.IOException; public class MyServlet extends GenericServlet implements Servlet{  public int count=0;  @Override  public void service(ServletRequest servletRequest, ServletResponse servletResponse) throws ServletException, IOException {  count+=1;  System.out.println("service"+count);  }  public MyServlet() {  super();  }  public void destroy() {  System.out.println("destroy");  }  public void init(ServletConfig config) throws ServletException {  System.out.println("init");  } }**   1. 实验习题2熟悉Servlet的配置文件   解题内容   1. 实验习题3 用Servelt计算圆的周长面积   解题内容  **<%@ page contentType="text/html;charset=UTF-8" language="java" %> <html> <head>  <title>Title</title> </head> <body> <form action="bbb" method="post">  <input type="text" name="radius">  <input type="submit" value="计算"> </form> </body> </html>**  **package com.uvcode.Servlet; import javax.servlet.\*; import javax.servlet.http.\*; import javax.servlet.annotation.\*; import java.io.IOException; import java.io.PrintWriter; public class YourServlet extends HttpServlet {  public YourServlet() {  super();  }  @Override  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  this.doPost(request, response);  }  @Override  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  int radius=Integer.*parseInt*(request.getParameter("radius"));  response.getWriter().println("Circle's area is"+Math.*PI*\*radius\*radius);  response.getWriter().println("Circle's length is"+Math.*PI*\*2\*radius);  } }**   1. 实验习题4 使用注解开发HttpServlet   解题内容  **package com.uvcode.Servlet; import javax.servlet.\*; import javax.servlet.http.\*; import javax.servlet.annotation.\*; import java.io.IOException; @WebServlet("/ccc") public class HisServlet extends HttpServlet {  public HisServlet() {  super();  }  @Override  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  this.doPost(request, response);  }  @Override  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  response.getWriter().append("served at:").append(request.getContextPath());  } }** | | | |
| **实验心得：本次实验暂时没有碰到困难，主要问题是在寒假学习Servlet的时候将Idea默认创建的Servelt配置为了HttpServlet，通过后续手动写代码配置xml文件实现了本次实验的效果，对Servlet的学习有了进一步了解。** | | | |
| **评语：** | | | |