**//FirstServlet.java**

**package** com.web;

**import** java.io.IOException;

**import** java.io.InputStream;

**import** java.io.PrintWriter;

**import** javax.servlet.GenericServlet;

**import** javax.servlet.ServletConfig;

**import** javax.servlet.ServletContext;

**import** javax.servlet.ServletException;

**import** javax.servlet.ServletOutputStream;

**import** javax.servlet.ServletRequest;

**import** javax.servlet.ServletResponse;

**import** java.util.Date;

**import** java.io.BufferedInputStream;

**import** java.io.BufferedOutputStream;

**import** java.io.FileInputStream;

**public** **class** FirstServlet **extends** GenericServlet {

**private** **int** counter;

**public** **void** init(ServletConfig sc) **throws** ServletException

{

counter=0;

System.***out***.println("Inside init Method");

}

@Override

**public** **void** service(ServletRequest req, ServletResponse res) **throws** ServletException, IOException

// **TODO** Auto-generated method stub

{

String param = req.getParameter("name");

String param1 = req.getParameter("course");

System.***out***.println("Inside service method serving clients after calling init ");

Date d = **new** Date();

counter++;

res.setContentType("text/html");

PrintWriter out = res.getWriter();

out.println("<h1>Hi " + param + "<br></h1>");

out.println("<h1> Course " + param1 + "<br></h1>");

out.println("<h1>Today's Date is =" + d.toString() + "</h1><br>");

out.println("<h1> You are "+counter+" User</h1>");

out.close();

}

**public** **void** destroy()

{

System.***out***.println("Servlet is done with work!!! destroy method called once");

}

}

**//First.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"FirstServlet"* >

<<label> Name: </label><input type=*"text"* name=*"name"*/>

<label>Course: </label><input type=*"text"* name=*"course"*/>

<input type=*"submit"* />

</form>

</body>

</html>

**//web.xml**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://xmlns.jcp.org/xml/ns/javaee"* xsi:schemaLocation=*"http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd"* id=*"WebApp\_ID"* version=*"4.0"*>

<display-name>FirstWebProject</display-name>

<welcome-file-list>

<welcome-file>First.html</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>FirstServlet</servlet-name>

<servlet-class>com.web.FirstServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>FirstServlet</servlet-name>

<url-pattern>/FirstServlet</url-pattern>

</servlet-mapping>

</web-app>

**//** VotingServlet.java

**package** com.example;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletConfig;

**import** javax.servlet.ServletException;

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

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

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

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

/\*\*

\* Servlet implementation class VotingServlet

\*/

@WebServlet("/Voting")

**public** **class** VotingServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** VotingServlet() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** Servlet#init(ServletConfig)

\*/

**public** **void** init(ServletConfig config) **throws** ServletException {

System.***out***.println("Init method is called");

}

/\*\*

\* **@see** Servlet#destroy()

\*/

**public** **void** destroy() {

System.***out***.println("Im done with work,Destroy method is called");

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

String name=request.getParameter("Name");

String age=request.getParameter("Age");

**int** a=Integer.*parseInt*(age);

response.setContentType("text/html");

PrintWriter pw=response.getWriter();

**if**(a<18)

pw.println("<h1> You "+name +"are not Eligble for casting vote!! Wait upto 18 years</h1>");

**else**

pw.println("<h1> Congrats!!!"+name+" You are Eligble for casting vote!! </h1>");

}

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

**//votinginterface.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

<style>

**div**{

background-color:*lightgreen*;

color:*Red*;

padding:*20px*;

margin:*20px*;

border:*2px yellow*;

}

</style>

</head>

<body>

<div>

<h1>Checking Voting Credentials </h1>

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

<label>Username :</label><input type=*"text"* name=*"Name"* >

<br>

<label>Age: </label><input type=*"text"* name=*"Age"* >

<br><input type=*"submit"* name=*"submit"*>

</form>

</div>

</body>

</html>

**//AdminLoginCheck.java**

**package** com.example;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletConfig;

**import** javax.servlet.ServletException;

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

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

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

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

/\*\*

\* Servlet implementation class AdminLoginCheck

\*/

@WebServlet("/Admin")

**public** **class** AdminLoginCheck **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

String admin="USHA";

String pass="usha@123";

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** AdminLoginCheck() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** Servlet#init(ServletConfig)

\*/

**public** **void** init(ServletConfig config) **throws** ServletException {

System.***out***.println("Init method called");

}

/\*\*

\* **@see** Servlet#destroy()

\*/

**public** **void** destroy() {

System.***out***.println("Im done,destroy method is called");

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

String username=request.getParameter("user");

String password=request.getParameter("pass");

response.setContentType("text/html");

PrintWriter pw=response.getWriter();

**if** (username.equals(admin) && password.equals(pass))

pw.println("<h1> "+username+" You are valid User</h1>");

**else**

pw.println("<h1> "+username+" You are not valid User</h1>");

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

**//Admincheck.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>LoginPage</title>

<style >

**div**{ background-color:*lightgreen*;

color:*white*;

}

</style>

</head>

<body>

<div>

<form action=*"Admin"* method=*"post"* >

<h1> Admin Login Checking</h1>

<label>Username</label><input type=*"text"* name=*"user"* >

<label>Password</label><input type=*"password"* name=*"pass"*>

<input type=*"submit"* value=*"Login"*>

</form>

</body>

</html>

//StudentDetails.java

**package** com.student;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletConfig;

**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** java.util.Enumeration;

/\*\*

\* Servlet implementation class StudentDetails

\*/

@WebServlet("/StudentDetails")

**public** **class** StudentDetails **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** StudentDetails() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** Servlet#init(ServletConfig)

\*/

**public** **void** init(ServletConfig config) **throws** ServletException {

System.***out***.println("Inside init");

}

/\*\*

\* **@see** Servlet#destroy()

\*/

**public** **void** destroy() {

System.***out***.println("Servlet Unloaded");

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

String user=request.getParameter("user");

String pass=request.getParameter("pass");

String age=request.getParameter("age");

String gender=request.getParameter("gender");

String dob=request.getParameter("dob");

String email=request.getParameter("email");

PrintWriter pw = response.getWriter();

response.setContentType("text/html");

pw.println("<html><body><div style='padding:10px;margin:10px'><p> ");

pw.println("<h1> Request Parameters:</br>");

pw.println("UserName = "+user+"</br>");

pw.println(" Password= "+pass+"</br>");

pw.println(" Age= "+age+"</br>");

pw.println(" Gender="+gender+"</br>");

pw.println("Dob="+dob+"</br>");

pw.println("Email="+email+"</br>");

pw.println("</h1></p></div></body></html>");

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

**// StudentDetails.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

<style >

**div**{ background-color:*lightgreen*;

color:*white*;

}

</style>

</head>

<body>

<div>

<form action=*"StudentDetails"* method=*"post"*>

<h1>Hi Ramesh</h1>

<label>Username</label><input type=*"text"* name=*"user"*> <label>Password</label><input

type=*"password"* name=*"pass"*> <label> Age </label><input

type=*"text"* name=*"age"*> <label>Gender</label><input

type=*"text"* name=*"gender"*> <label>DOB</label><input

type=*"date"* name=*"dob"*> <label> email</label><input

type=*"email"* name=*"email"*>

<button type=*"submit"*>Submit</button>

</form>

</div>

</body>

</html>