**10.Form Submission using AJAX:**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** http-equiv="Content-Type" content="text/html; charset=UTF-8">

<**title**>Ajax with Jquery</**title**>

</**head**>

<**body**>

<**h1**>Ajax with Jquery Simple Example</**h1**>

<**br**>

<**form** name="form1" method="GET" action="Ajaxexample" id="form1">

<**table**>

<**tr**>

<**td**>Number 1</**td**><**td**><**input** type="text" name="n1"/></**td**>

</**tr**>

<**tr**>

<**td**>Number 2</**td**><**td**><**input** type="text" name="n2"/></**td**>

</**tr**>

<**tr**>

<**td**></**td**><**td**><**input** type="submit" value="Calculate"/></**td**>

</**tr**>

<**tr**>

<**td**>Result</**td**><**td**><**input** type="text" value="" id="result"/></**td**>

</**tr**>

</**table**>

</**form**>

</**body**>

</**html**>

<**script** type="text/javascript" src="js/jq.js"></**script**>

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

var form = $('#form1');

form.submit(function () {

$.ajax({

type: form.attr('method'),

url: form.attr('action'),

data: form.serialize(),

success: function (data) {

var result=data;

$('#result').attr("value",result);

}

});

return false; }); </script>

Ajaxexample.java:

**package** com.servlets.cal;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

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

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

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

**public** **class** Ajaxexample **extends** HttpServlet {

@Override

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

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

PrintWriter out = response.getWriter();

**int** n1 = Integer.parseInt(request.getParameter("n1"));

**int** n2 = Integer.parseInt(request.getParameter("n2"));

out.println(n1 + n2 + "");

} }

|  |
| --- |
| **web.xml**  <?xml version="1.0" encoding="UTF-8"?>  <web-app version="3.0" xmlns="<http://java.sun.com/xml/ns/javaee>" xmlns:xsi="<http://www.w3.org/2001/XMLSchema-instance>" xsi:schemaLocation="<http://java.sun.com/xml/ns/javaee><http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd>">  <servlet>  <servlet-name>Ajaxexample</servlet-name>  <servlet-class>com.servlets.cal.Ajaxexample</servlet-class>  </servlet>  <servlet-mapping>  <servlet-name>Ajaxexample</servlet-name>  <url-pattern>/Ajaxexample</url-pattern>  </servlet-mapping>  <session-config>  <session-timeout>  30  </session-timeout>  </session-config>  </web-app> |

**9.Java servlet Session Interface:**

**index.html**

|  |
| --- |
| <html>  <head>  <body>  <form action="servlet1">  Name:<input type="text" name="userName"/><br/>  <input type="submit" value="submit"/>  </form>  </body>  </html> |

**First.java**

|  |  |
| --- | --- |
| // The first servlet  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.http.\*;    < div class  = "noIdeBtnDiv" > public class First extends HttpServlet {    public void doGet(HttpServletRequest request, HttpServletResponse response)  {  try { response.setContentType("text/html");  PrintWriter out = response.getWriter();    String n = request.getParameter("userName"); out.print("Welcome " + n); // Printing the username    HttpSession session = request.getSession(); /\* Creating a new session\*/    session.setAttribute("uname", n);  out.print("<a href='servlet2'>visit</a>");  out.close() }  catch (Exception e) {  System.out.println(e);  }  }  }  **web.xml**   |  | | --- | | <web-app>    <servlet>  <servlet-name>s1</servlet-name>  <servlet-class>First</servlet-class>  </servlet>    <servlet-mapping>  <servlet-name>s1</servlet-name>  <url-pattern>/servlet1</url-pattern>  </servlet-mapping>    <servlet>  <servlet-name>s2</servlet-name>  <servlet-class>Second</servlet-class>  </servlet>    <servlet-mapping>  <servlet-name>s2</servlet-name>  <url-pattern>/servlet2</url-pattern>  </servlet-mapping>    </web-app> | |
| **Second.java**   |  | | --- | | // The second servlet  import java.io.\*;  import javax.servlet.\*;  import javax.servlet.http.\*;    public class SecondServlet extends HttpServlet {    public void doGet(HttpServletRequest request, HttpServletResponse response) try {  /\*Declaration of the get method\*/  response.setContentType("text/html");  PrintWriter out = response.getWriter();    HttpSession session = request.getSession(false);    String n = (String)session.getAttribute("uname");  out.print("Hello " + n);    out.close();  }  catch (Exception e) {  System.out.println(e);  }  }  **Output:** | |

|  |
| --- |
|  |

**6 . Registration Form using servlets**

**Index.html**

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<title>TODO supply a title</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<form action="lg" method="get">

<input type="text" name="name">

<input type="password" name="password">

<input type="submit">

</form>

</body>

</html>

**Register servlet**

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Driver;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.\*;

import java.sql.DriverManager;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

try {

processRequest(request, response);

} catch (ClassNotFoundException ex) {

Logger.getLogger(register.class.getName()).log(Level.SEVERE, null, ex);

}

PrintWriter out =response.getWriter();

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

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

try

{

Class.forName("com.mysql.jdbc.Driver");

Connection con=(Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/test","root","");

PreparedStatement pr=con.prepareStatement("Insert into login values(?,?)");

pr.setString(1, name);

pr.setString(2, password);

int rs=pr.executeUpdate();

if(rs>0)

{

response.sendRedirect("login.html");

}

}

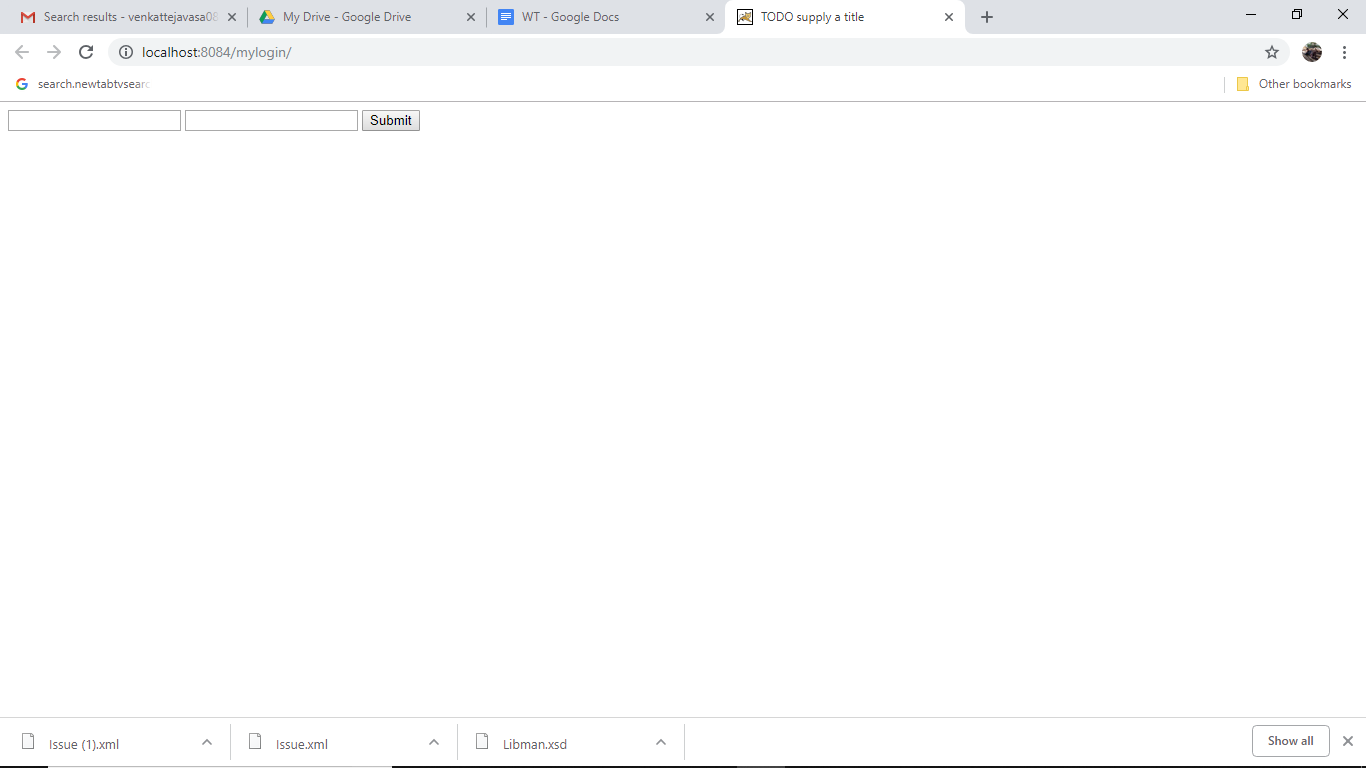
catch( ClassNotFoundException | SQLException e)

{

out.print(e.getMessage());

}

}



7.Login Page Using servlets

**Login.html**

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templatesr

and open the template in the editor.

-->

<html>

<head>

<title>TODO supply a title</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<script>

$(function(){

$("form[name='data']").validate({

rules:{

name:"required",

password:"required"

},

messages:{

name:"please enter name",

password:"please enter password "

},

submitHandler:function (form){

form.submit();

}

});

});

</script>

</head>

<body>

<form action="log" method="get" name="date">

<input type="text" name="name">

<input type="password" name="password">

<input type="submit" value="login">

</form>

</body>

</html>

**Login.java**

import com.mysql.jdbc.Connection;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import static org.apache.tomcat.jni.User.username;

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

PrintWriter out =response.getWriter();

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

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

try

{

Class.forName("com.mysql.jdbc.Driver");

Connection con=(Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/test","root","");

Statement st= con.createStatement();

String sql= "SELECT \* FROM LOGIN WHERE name='"+name+"' and password='"+password +"'";

ResultSet rs=st.executeQuery(sql);

if( rs.next())

{

// response.sendRedirect("Loginform.html");

out.println("logged sucessfully");

HttpSession ses= request.getSession();

ses.setAttribute("myuser", name);

response.sendRedirect("view.jsp");

}

else

response.sendRedirect("login.html");

}

catch( ClassNotFoundException | SQLException e)

{

out.print(e.getMessage());

}

}

