package com.verizon.servlets.day4;

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;

/\*\*

\* Servlet implementation class FirstServlet

\*/

public class FirstServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public FirstServlet() {

super();

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<h1 style=color:green>Yipeee!!This is my First Servlet </h1>");

}

}

CREATING LOGIN FORM

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body style="background-color:*pink*">

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

Username<input type=*"text"* name=*"uname"* /></br>

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

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

</form>

</body>

</html>

CREATING LOGIN SERVELET

package com.verizon.servlets.day4;

package com.verizon.servlets.day4;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.servlet.ServletConfig;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class LoginServelet

\*/

public class LoginServelet extends HttpServlet {

private static final long serialVersionUID = 1L;

Connection con;

/\*\*

\* @see Servlet#init(ServletConfig)

\*/

public void init(ServletConfig config) throws ServletException {

try {

Class.forName("oracle.jdbc.driver.OracleDriver");

con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","hr","Admin");

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

String USERNAME= request.getParameter("uname");

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

try {

PreparedStatement pst=con.prepareStatement("select \* from USERS where USERNAME=? and PASSWORD=?");

pst.setString(1, USERNAME);

pst.setString(2, PASSWORD);

ResultSet rs=pst.executeQuery();

if(rs.next())

{

out.println("<h1 style=color:green> Vanakkam " + USERNAME + " </h1>");

}

else{

out.println("<h1 style=color:green>Sorry Invalid username </h1>");

}

rs.close();

pst.close();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

**Create users table in sql**

USERNAME VARCHAR2(10 BYTE) No 1 1

PASSWORD VARCHAR2(8 BYTE) No 2

(RUN AS FROM LOGIN HTML AND EXECUTE )

**SERVLET CONFIGURATION:**

**In webxml add the init parameters and then call them from loginservlet.java**

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

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"* id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>MyFirstWeb</display-name>

<welcome-file-list>

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

<welcome-file>index.htm</welcome-file>

<welcome-file>index.jsp</welcome-file>

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

<welcome-file>default.htm</welcome-file>

<welcome-file>default.jsp</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>FirstServlet</display-name>

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

<servlet-class>com.verizon.servlets.day4.FirstServlet</servlet-class>

</servlet>

<servlet-mapping>

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

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

</servlet-mapping>

<servlet>

<description></description>

<display-name>LoginServelet</display-name>

<servlet-name>LoginServelet</servlet-name>

<servlet-class>com.verizon.servlets.day4.LoginServelet</servlet-class>

<init-param>

<param-name>driver</param-name>

<param-value>oracle.jdbc.driver.OracleDriver</param-value>

</init-param>

<init-param>

<param-name>url</param-name>

<param-value>jdbc:oracle:thin:@localhost:1521:orcl</param-value>

</init-param>

<init-param>

<param-name>username</param-name>

<param-value>hr</param-value>

</init-param>

<init-param>

<param-name>password</param-name>

<param-value>Admin</param-value>

</init-param>

</servlet>

<servlet-mapping>

<servlet-name>LoginServelet</servlet-name>

<url-pattern>/LoginServelet</url-pattern>

</servlet-mapping>

</web-app>

package com.verizon.servlets.day4;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.servlet.ServletConfig;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class LoginServelet

\*/

public class LoginServelet extends HttpServlet {

private static final long serialVersionUID = 1L;

Connection con;

/\*\*

\* @see Servlet#init(ServletConfig)

\*/

public void init(ServletConfig config) throws ServletException {

try {

String driver=config.getInitParameter("driver");

String url=config.getInitParameter("url");

String username=config.getInitParameter("username");

String password=config.getInitParameter("password");

Class.forName(driver);

con=DriverManager.getConnection(url,username,password);

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

String USERNAME= request.getParameter("uname");

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

try {

PreparedStatement pst=con.prepareStatement("select \* from USERS where USERNAME=? and PASSWORD=?");

pst.setString(1, USERNAME);

pst.setString(2, PASSWORD);

ResultSet rs=pst.executeQuery();

if(rs.next())

{

out.println("<h1 style=color:green> Vanakkam " + USERNAME + " </h1>");

}

else{

out.println("<h1 style=color:green>Sorry Invalid username </h1>");

}

rs.close();

pst.close();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

CREATING CONTEXT OBJECT

Create context parameter in web xml and access it in the servlet using getservletcontext

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

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"* id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>MyFirstWeb</display-name>

<welcome-file-list>

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

<welcome-file>index.htm</welcome-file>

<welcome-file>index.jsp</welcome-file>

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

<welcome-file>default.htm</welcome-file>

<welcome-file>default.jsp</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>FirstServlet</display-name>

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

<servlet-class>com.verizon.servlets.day4.FirstServlet</servlet-class>

</servlet>

<servlet-mapping>

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

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

</servlet-mapping>

<servlet>

<description></description>

<display-name>LoginServelet</display-name>

<servlet-name>LoginServelet</servlet-name>

<servlet-class>com.verizon.servlets.day4.LoginServelet</servlet-class>

<init-param>

<param-name>driver</param-name>

<param-value>oracle.jdbc.driver.OracleDriver</param-value>

</init-param>

<init-param>

<param-name>url</param-name>

<param-value>jdbc:oracle:thin:@localhost:1521:orcl</param-value>

</init-param>

<init-param>

<param-name>username</param-name>

<param-value>hr</param-value>

</init-param>

<init-param>

<param-name>password</param-name>

<param-value>Admin</param-value>

</init-param>

</servlet>

<servlet-mapping>

<servlet-name>LoginServelet</servlet-name>

<url-pattern>/LoginServelet</url-pattern>

</servlet-mapping>

<context-param>

<param-name> companytitle</param-name>

<param-value>Verizon</param-value>

</context-param>

</web-app>

package com.verizon.servlets.day4;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.servlet.ServletConfig;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class LoginServelet extends HttpServlet {

private static final long serialVersionUID = 1L;

Connection con;

String title;

public void init(ServletConfig config) throws ServletException {

try {

String driver=config.getInitParameter("driver");

String url=config.getInitParameter("url");

String username=config.getInitParameter("username");

String password=config.getInitParameter("password");

title=config.getServletContext().getInitParameter("companytitle");

Class.forName(driver);

con=DriverManager.getConnection(url,username,password);

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

String USERNAME= request.getParameter("uname");

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

try {

PreparedStatement pst=con.prepareStatement("select \* from USERS where USERNAME=? and PASSWORD=?");

pst.setString(1, USERNAME);

pst.setString(2, PASSWORD);

ResultSet rs=pst.executeQuery();

if(rs.next())

{

out.println("<h1 style=color:green> Vanakkam to " +title + ": " + USERNAME + " </h1>");

}

else{

out.println("<h1 style=color:green>Sorry Invalid username </h1>");

}

rs.close();

pst.close();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

Overwriting init method

package com.verizon.servlets.day4;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletConfig;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class FirstServlet

\*/

public class FirstServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

String title;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public FirstServlet() {

super();

}

/\*\*

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

\*/

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

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<h1 style=color:green>Yipeee!!This is my First Servlet"+title+ " </h1>" );

}

@Override

public void init(ServletConfig config) throws ServletException {

super.init(config);

title=config.getServletContext().getInitParameter("companytitle");

}

}

Op:

Yippee…… verizon