Assignment-5

Q1.

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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 First

\*/

@WebServlet("/First")

**public** **class** First **extends** HttpServlet {

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

/\*\*

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

\*/

**public** First() {

**super**();

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

}

/\*\*

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

\* response)

\*/

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

PrintWriter pw = response.getWriter();

pw.println("<h1>Welcome</h1>");

pw.println("<h3>IP Address: " + request.getRemoteAddr() + "</h3>");

pw.println("<h3>Browser Type: " + request.getHeader("user-agent") + "</h1>");

pw.println("<h3>Host Name: " + request.getHeader("host") + "</h3>");

**final** String userAgent = request.getHeader("User-Agent");

String OSType;

**if** (userAgent == **null** || userAgent.isEmpty()) {

OSType = "UNKNOWN";

} **else** **if** (userAgent.toLowerCase().contains("windows")) {

OSType = "WINDOWS";

}**else** **if**(userAgent.toLowerCase().contains("mac")) {

OSType = "MAC";

}**else** **if**(userAgent.toLowerCase().contains("x11")) {

OSType = "LINUX";

}**else** **if**(userAgent.toLowerCase().contains("android")) {

OSType = "ANDROID";

}**else** **if**(userAgent.toLowerCase().contains("iphone")) {

OSType = "IPHONE";

}**else** {

OSType ="UNKNOWN";

}

pw.println("<h3>OS NAME:"+OSType+"</h3>");

}

/\*\*

\* **@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);

}

}

Q2.

Html.

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<center>

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

<div class=*"form-group"*>

<label for=*"exampleInputEmail1"*>username</label>

<input type=*"text"* class=*"form-control"* name=*"name"* >

</div><br>

<div class=*"form-group"*>

<label for=*"exampleInputPassword1"*>Password</label>

<input type=*"password"* class=*"form-control"* name=*"pass"* >

</div><br>

<button type=*"submit"* class=*"btn btn-primary"*>Login</button>

</form>

</center>

</body>

</html>

Servlet

import java.io.IOException;

import java.io.PrintWriter;

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 Login

\*/

@WebServlet("/Login")

public class Login extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Login() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

PrintWriter pw = response.getWriter();

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

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

if(name.equals("yash") && pass.equals("yash123"))

pw.println("<h1>Successfull Logged in</h1>");

else

pw.println("<h1> Incorrect user name or password</h1>");

pw.close();

}

/\*\*

\* @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);

}

}

Set B Q1.

Jsp .

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<%@ page import=*"java.sql.\*"*%>

<%@ page import=*"java.io.\*"*%>

<html>

<head>

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

<title>Display Company Details</title>

</head>

<body>

<h1>Company Details</h1>

<table = border=*"1"*>

<tr>

<th>Name</th>

<th>Location</th>

<th>Address</th>

<th>Email</th>

<th>Phone No</th>

</tr>

<%

**try**{

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

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/Demo","root","root@123");

String query = "Select \* from Company";

Statement st = conn.createStatement();

ResultSet rs = st.executeQuery(query);

**while**(rs.next()){ %>

<tr>

<td><%= rs.getString(1) %></td>

<td><%= rs.getString(2) %></td>

<td><%= rs.getString(3) %></td>

<td><%= rs.getString(4) %></td>

<td><%= rs.getString(5) %></td>

</tr>

<%

}%>

</table>

<%

conn.close();

}**catch**(ClassNotFoundException e){

out.println("driver not loaded <br>");

e.printStackTrace();

}

**catch**(SQLException e){

out.println("Sql exception:");

e.printStackTrace();

}

**catch**(Exception e){

%>

<h1>Driver Not Loaded</h1>

<%

}

%>

</body>

</html>