

EXP : 6

Write a Servlet to demonstrate session tracking using HTTP Session.

AIM:

To Write a Servlet Program to demonstrate session tracking using HTTP Session. Implement a simple login system where the user's session is tracked.

CODE:

Session.html:

```
<!DOCTYPE html>

<html>

<head>

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

<title>HTTP SESSION </title>

</head>

<body>

<h1>Form Handle By HTTP Session</h1>

<form action="/gaurav/HttpSessionHandle" method="POST" style="margin-left: 50px">

    <label>Username: </label><input type="text" name="username"/><br><br>

    <label>Password: </label><input type="password" name="password"/><br><br>

    <input type="submit" value="Login" style="margin-left: 130px"/>

</form>

</body>

</html>
```

HttpSessionHandle.java:

```
package com.gaurav.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;
import javax.servlet.http.HttpSession;

/**
 * Servlet implementation class HttpSessionHandle
 */
@WebServlet("/HttpSessionHandle")
public class HttpSessionHandle extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public HttpSessionHandle() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @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());
    }
}

```

```

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    String username = "Faisal";
    String password = "104";

    PrintWriter p = response.getWriter();
    String user = request.getParameter("username");
    String pass = request.getParameter("password");

    if(user.equals(username) && pass.equals(password))
    {
        HttpSession session = request.getSession(true);
        session.putValue("username", user);

        response.sendRedirect(request.getContextPath() +
"/HttpSessionHandleDisplay");
    }

    else
    {
        p.println("fail");
    }
}
}

```

HttpSessionHandleDisplay.java:

```
package com.gaurav.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;
import javax.servlet.http.HttpSession;

/**
 * Servlet implementation class HttpSessionHandleDisplay
 */

@WebServlet("/HttpSessionHandleDisplay")
public class HttpSessionHandleDisplay extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public HttpSessionHandleDisplay() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
```

```

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

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

            PrintWriter p = response.getWriter();

            HttpSession session = request.getSession(true);

            @SuppressWarnings("deprecation")
            String user_name = (String)session.getValue("username");
            p.println("Username is " + user_name);

        }

        /**

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

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

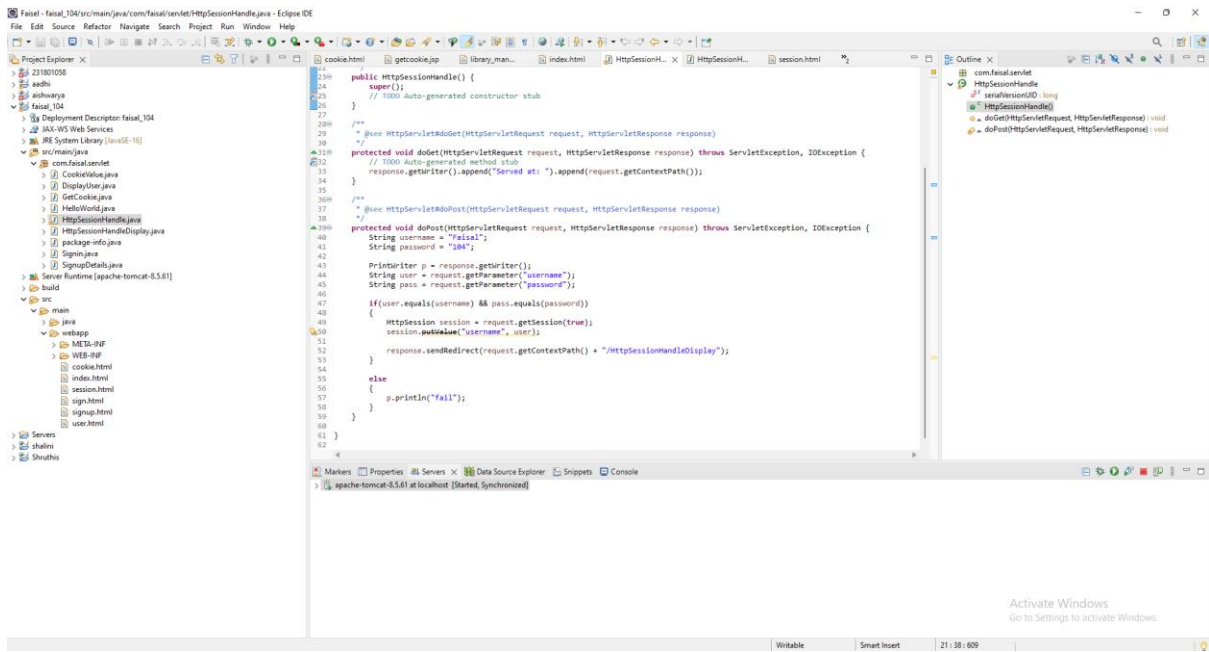
            // TODO Auto-generated method stub
            doGet(request, response);

        }

    }

```

OUTPUT:



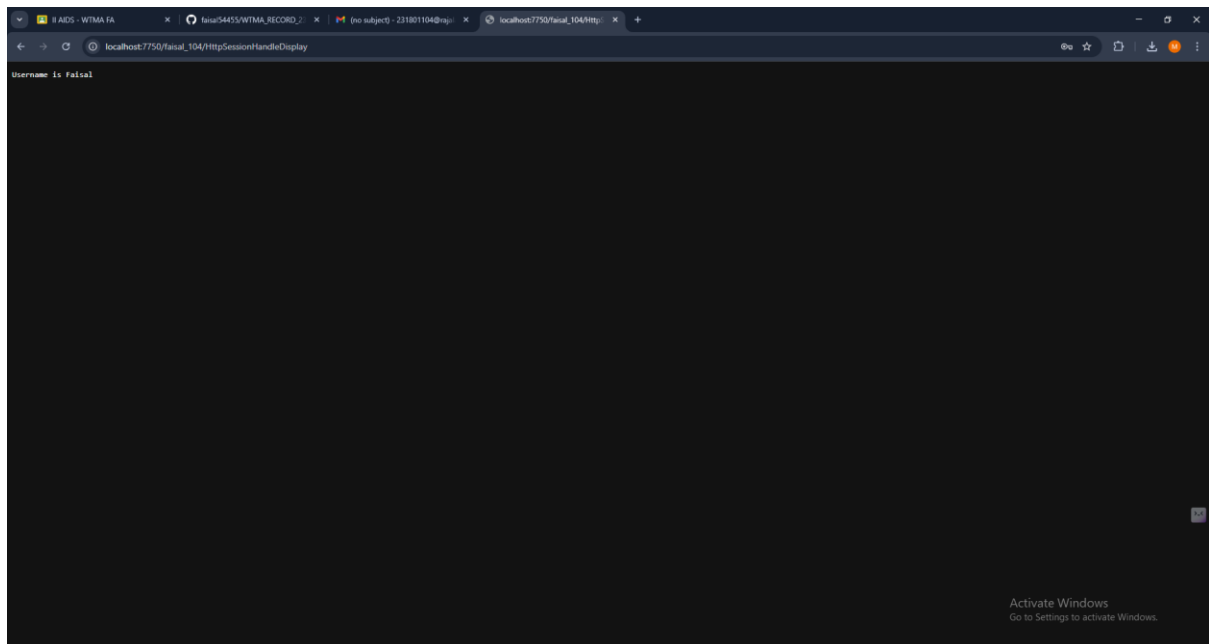
```
23: public HttpSessionHandle() {
24:     super();
25:     // 1000 Auto-generated constructor stub
26: }
27:
28: /**
29:  * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
30:  */
31: protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
32:     // 1000 Auto-generated method stub
33:     response.getWriter().append("Served at: ").append(request.getContextPath());
34: }
35:
36: /**
37:  * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
38:  */
39: protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
40:     String username = "faisal";
41:     String password = "1234";
42:
43:     PrintWriter p = response.getWriter();
44:     String user = request.getParameter("username");
45:     String pass = request.getParameter("password");
46:
47:     if(user.equals(username) && pass.equals(password)) {
48:         HttpSession session = request.getSession(true);
49:         session.putAttribute("username", user);
50:         response.sendRedirect(request.getContextPath() + "/httpSessionHandleDisplay");
51:     }
52:     else {
53:         p.println("fail");
54:     }
55: }
56:
57: }
58:
59: }
60:
61: }
62: }
```



Form Handle By HTTP Session

Username:

Password:



RESULT:

Servlet to demonstrate session tracking using HTTP Session Has been Executed Successfully.