

**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="/BK-20/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.bk.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 = "JJK";
    String password = "BK";

    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.bk.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 {

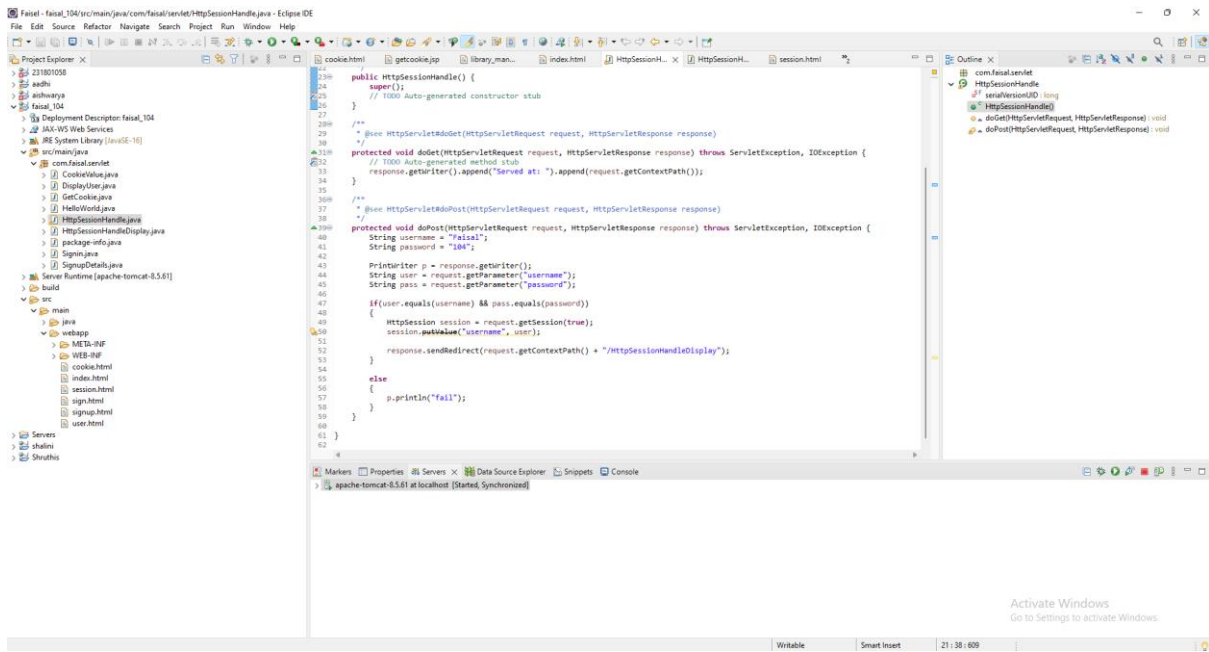
            // TODO Auto-generated method stub
            doGet(request, response);

        }

    }

```

## OUTPUT:



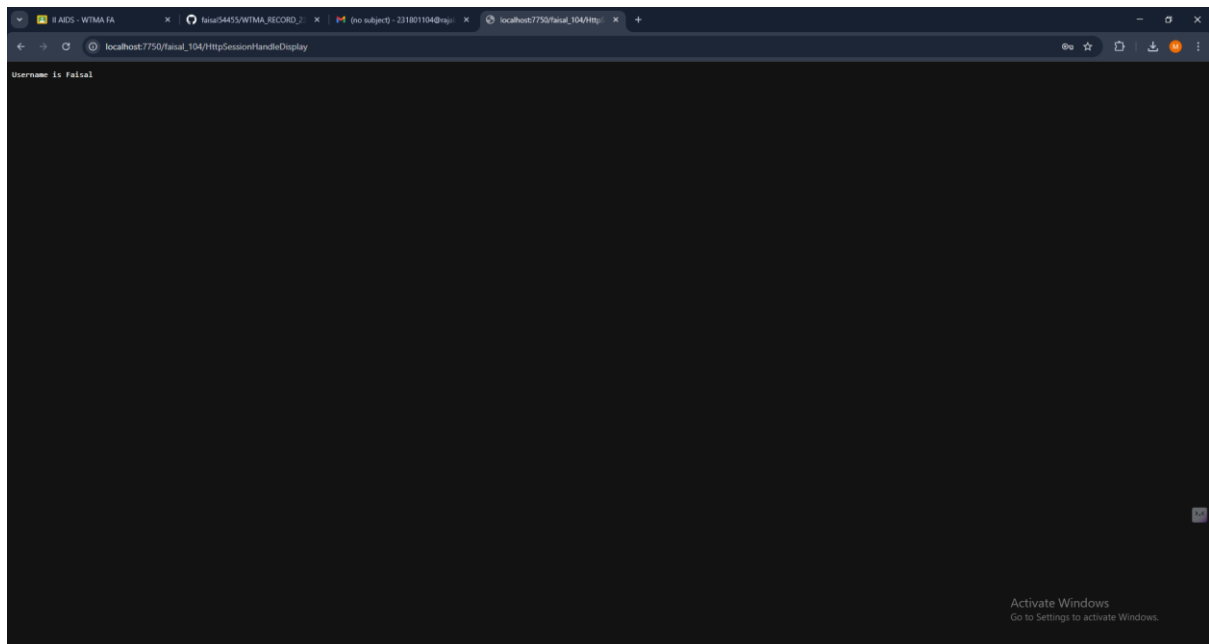
```
13 public HttpSessionHandle() {
14     super();
15     // 1000 Auto-generated constructor stub
16 }
17
18 /**
19 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
20 */
21 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
22     // 1000 Auto-generated method stub
23     response.getWriter().append("Served at: ").append(request.getContextPath());
24 }
25
26 /**
27 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
28 */
29 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
30     String username = "faisal";
31     String password = "1234";
32
33     PrintWriter p = response.getWriter();
34     String user = request.getParameter("username");
35     String pass = request.getParameter("password");
36
37     if(user.equals(username) && pass.equals(password)) {
38         HttpSession session = request.getSession(true);
39         session.putAttribute("username", user);
40         response.sendRedirect(request.getContextPath() + "/HttpSessionHandleDisplay");
41     }
42     else {
43         p.println("fail");
44     }
45 }
46
47 /**
48 * @see HttpServlet#doPut(HttpServletRequest request, HttpServletResponse response)
49 */
50 protected void doPut(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
51     // 1000 Auto-generated method stub
52 }
53
54 /**
55 * @see HttpServlet#doDelete(HttpServletRequest request, HttpServletResponse response)
56 */
57 protected void doDelete(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
58     // 1000 Auto-generated method stub
59 }
60
61 }
62 }
```



### Form Handle By HTTP Session

Username:

Password:



### **RESULT:**

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