

EXP : 6	Write a Servlet to demonstrate session tracking using HTTP Session.
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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="/Dinesh_34/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.arunachalam.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.arunachalam.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 {

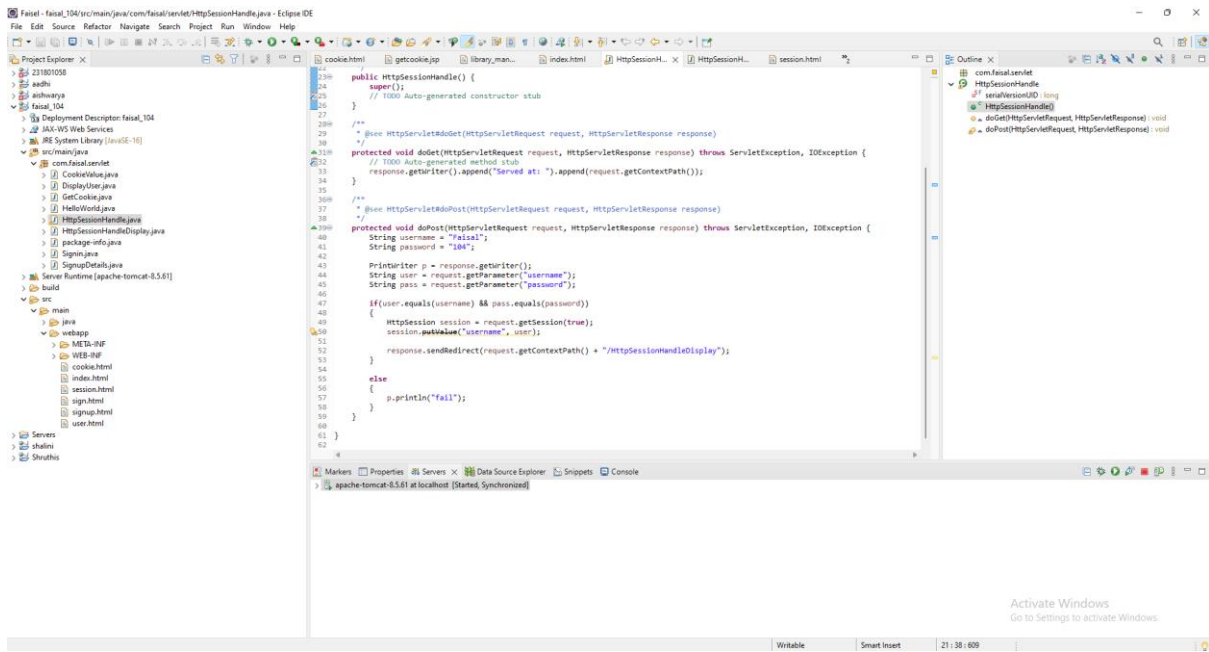
            // TODO Auto-generated method stub
            doGet(request, response);

        }

    }

```

OUTPUT:



```
public HttpSessionHandle() {
    super();
    // 1000 Auto-generated constructor stub
}

/**
 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
 */
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    // 1000 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 = "1234";

    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");
    }
}

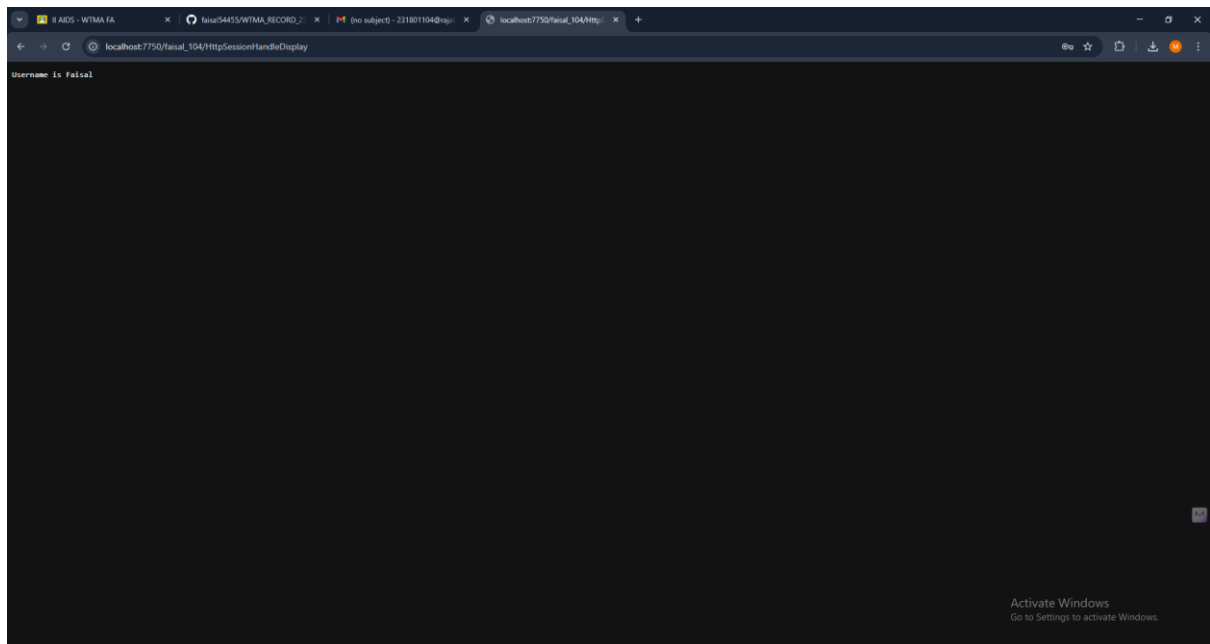
}
```



Form Handle By HTTP Session

Username:

Password:



RESULT:

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