

EXP NO: 6

Servlet-Based Login System Demonstrating Session Tracking with HttpSession

AIM:

Write a Servlet to demonstrate session tracking using HttpSession. 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="/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.karthick.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)
     */

    @SuppressWarnings("deprecation")
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        String username = "WTMA";
        String password = "WTMA";

        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.karthick.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);
```

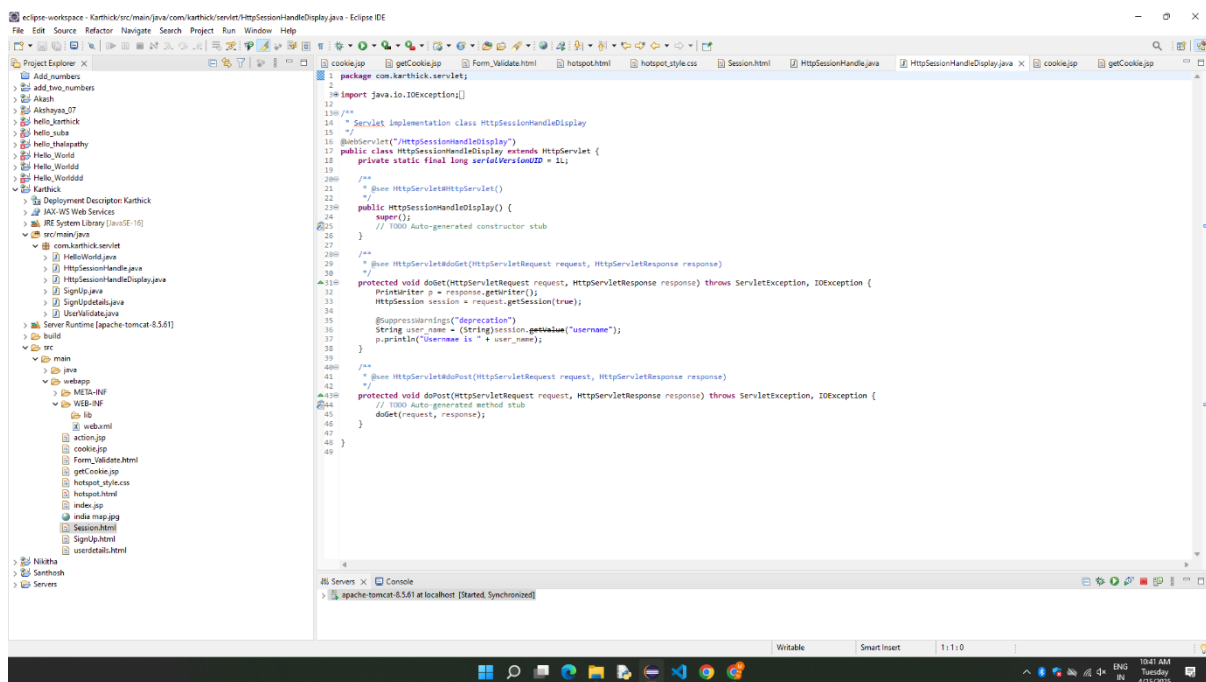
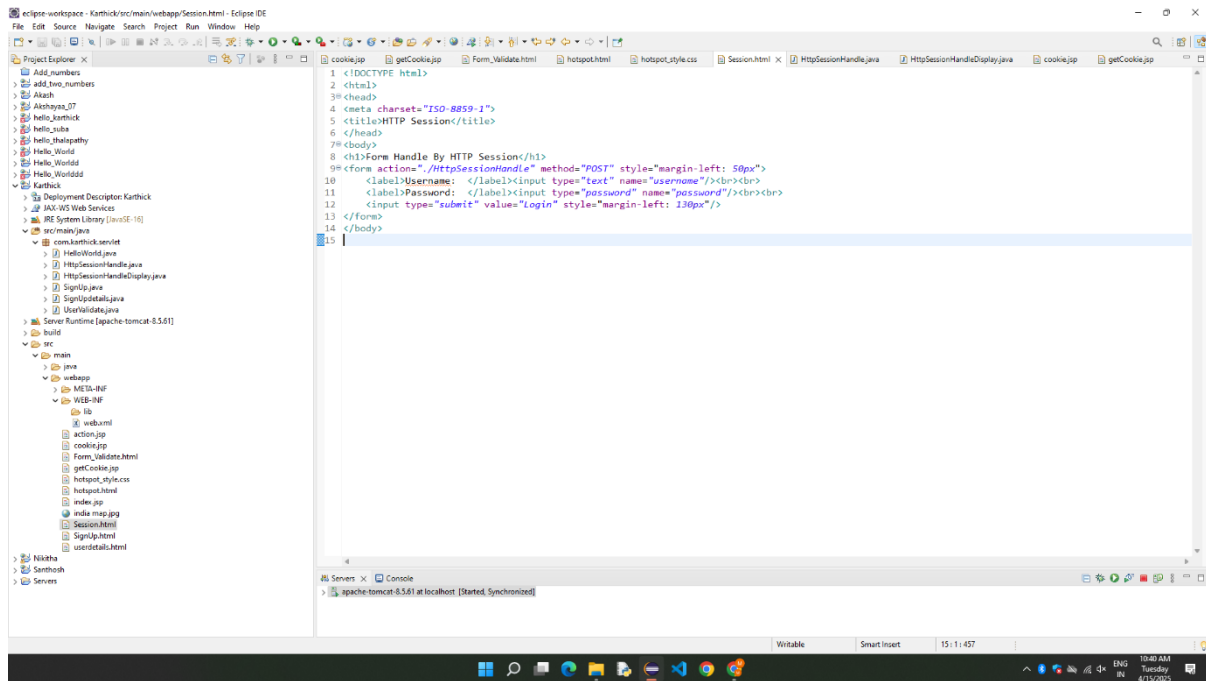
@SuppressWarnings("deprecation")

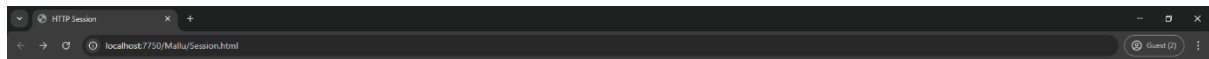
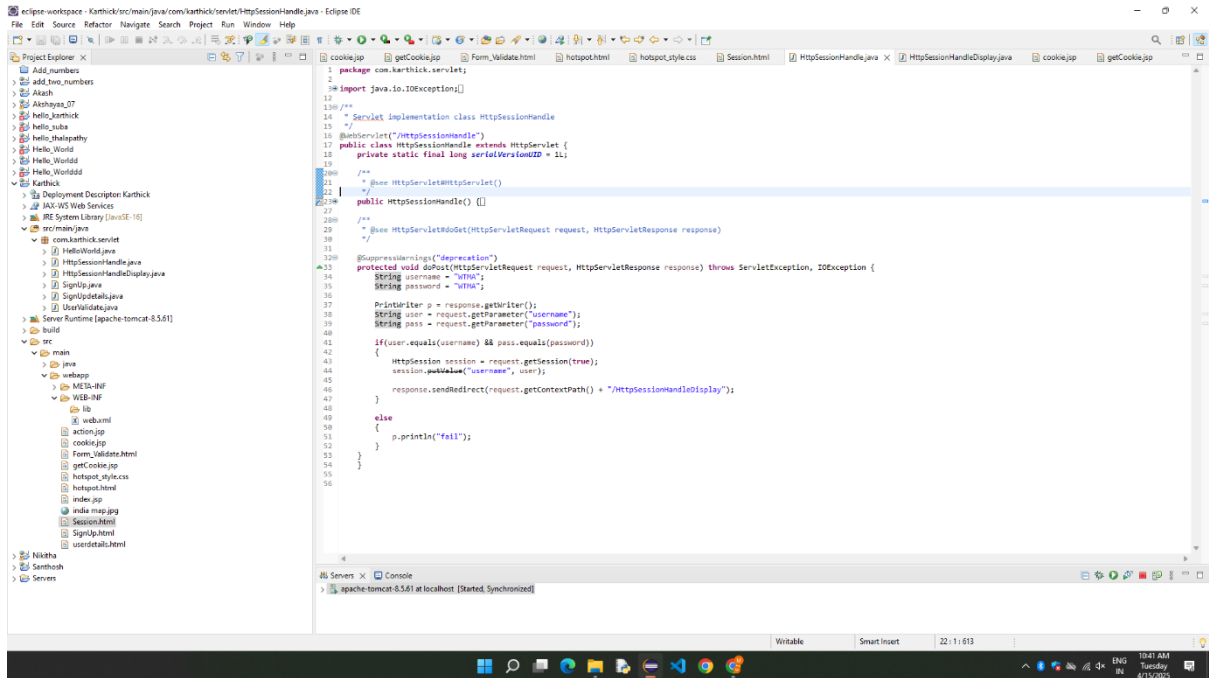
String user_name = (String)session.getValue("username");

p.println("Usermae is " + user_name);

}

OUTPUT:



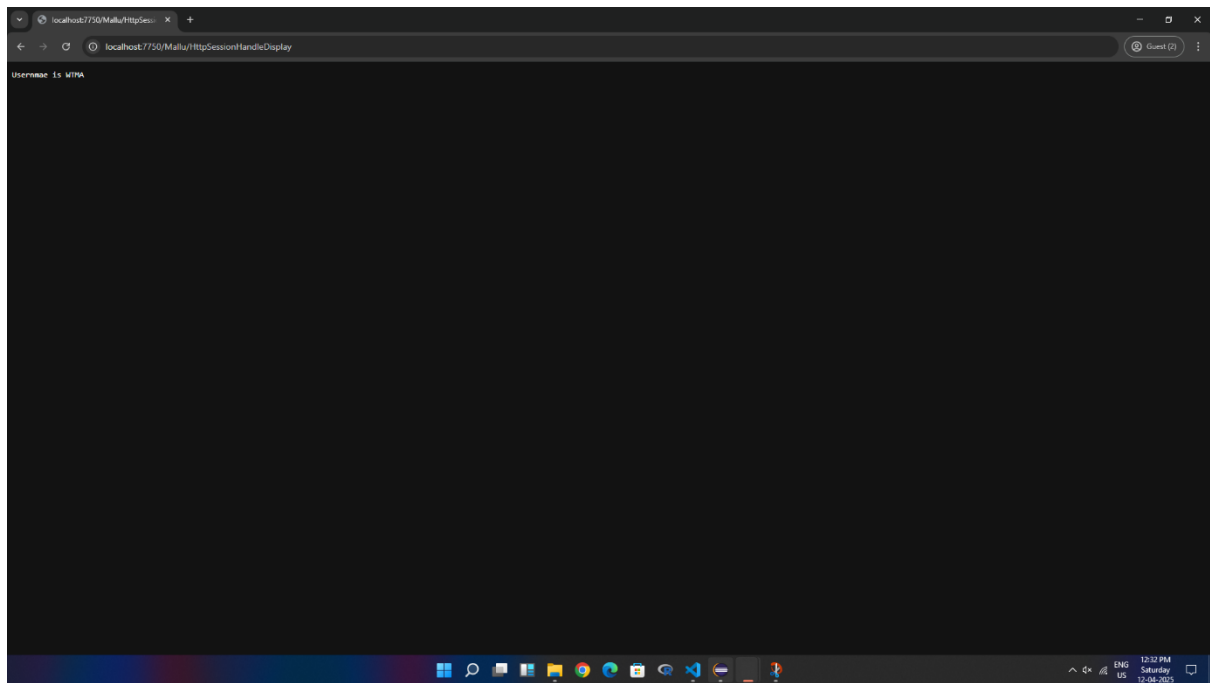


Form Handle By HTTP Session

Username:

Password:



**RESULT:**

Thus, the Session Tracking is demonstrated using httpsession.