

10. Write a Program to demonstrate Session Login and Logout:

Index.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="LoginServlet">Dashboard with Login</a><br>

</body>
</html>
```

LoginServlet.java:

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.*;
import javax.servlet.annotation.*;
import javax.servlet.http.*;

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

    /**
     * @see HttpServlet#HttpServlet()
     */
    public LoginServlet() {
        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
    }
}
```

```

        String userId = request.getParameter("userid");
        HttpSession session=request.getSession();
        session.setAttribute("userid", userId);

        response.sendRedirect("dashboard");

    }

    /**
     * @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);
    }

}

```

Logout.java:

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
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 Logout
 */
@WebServlet("/Logout")
public class Logout extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Logout() {
        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
            HttpSession session=request.getSession();
            session.invalidate();
            PrintWriter out = response.getWriter();
            out.println("<html><body>");
            out.println("Logged out of session.<br>");
            out.println("</body></html>");
        }

        /**
         * @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);
        }
    }
}

```

Dashboard.java:

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
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 Dashboard
 */
@WebServlet("/Dashboard")
public class Dashboard extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Dashboard() {
        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
        PrintWriter out = response.getWriter();
        out.println("<html><body>");

        HttpSession session=request.getSession(false);
        String userId = null;
        if (session.getAttribute("userid") != null)
            userId =(String)session.getAttribute("userid");
        if (userId == null ) {
            out.println("No UserId was found in LoginLogout.<br>");
        } else {
            out.println("UserId obtained from session :" + userId +
"<br>");

            out.println("<a href='logout'>Logout of session</a><br>");
        }
        out.println("</body></html>");
    }

    /**
     * @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);
    }
}

```

Web.xml:

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://java.sun.com/xml/ns/javaee"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd" id="WebApp_ID" version="2.5">
    <display-name>LoginLogout</display-name>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
        <welcome-file>index.jsp</welcome-file>
        <welcome-file>index.htm</welcome-file>
        <welcome-file>default.html</welcome-file>
        <welcome-file>default.jsp</welcome-file>
        <welcome-file>default.htm</welcome-file>
    </welcome-file-list>
    <servlet>
        <description></description>

```

```

    <display-name>LoginServlet</display-name>
    <servlet-name>LoginServlet</servlet-name>
    <servlet-class>LoginServlet</servlet-class>
</servlet>
<servlet-mapping>
    <servlet-name>LoginServlet</servlet-name>
    <url-pattern>/LoginServlet</url-pattern>
</servlet-mapping>
<servlet>
    <description></description>
    <display-name>Dashboard</display-name>
    <servlet-name>Dashboard</servlet-name>
    <servlet-class>Dashboard</servlet-class>
</servlet>
<servlet-mapping>
    <servlet-name>Dashboard</servlet-name>
    <url-pattern>/Dashboard</url-pattern>
</servlet-mapping>
<servlet>
    <description></description>
    <display-name>Logout</display-name>
    <servlet-name>Logout</servlet-name>
    <servlet-class>Logout</servlet-class>
</servlet>
<servlet-mapping>
    <servlet-name>Logout</servlet-name>
    <url-pattern>/Logout</url-pattern>
</servlet-mapping>
</web-app>

```

Output:



