

6. Write a program to demonstrate a Session Tracking using Cookies.

// Login servlet code

```
package Phase2;
```

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.Cookie;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class LoginServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public LoginServlet() {
        super();
    }

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

        Cookie userId = new Cookie("userid",
            request.getParameter("userid"));
        response.addCookie(userId);
        response.sendRedirect("dashboard");
    }

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

        doGet(request, response);
    }
}
```

// Login Dashboard code

```
package Phase2;
```

```
import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
```

```

import javax.servlet.annotation.WebServlet;
import javax.servlet.http.Cookie;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class Dashboard extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public Dashboard() {
        super();
    }

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

        Cookie cookie = null;
        Cookie[] cookies = null;
        boolean found = false;
        PrintWriter out = response.getWriter();
        out.println("<html><body>");
        cookies = request.getCookies();
        if (cookies != null) {
            for (int i = 0; i < cookies.length; i++) {
                cookie = cookies[i];
                if (cookie.getName().contentEquals("userid") &&
cookie.getValue() != null)
                {
                    out.println("UserId read from cookie:" +
cookie.getValue() + "<br>");
                    found = true;
                }
            }
        }
        if (!found) {
            out.println("No UserId was found in cookie.<br>");
        }
        out.println("</body></html>");
    }

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

```

## Html

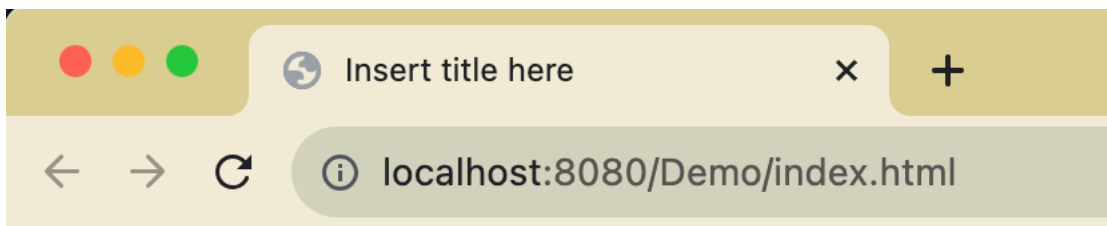
```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="login?userid=admin">Dashboard with cookie login</a>
<br><br>
<a href="dashboard">Dashboard without cookie login</a>
</body>
</html>
```

## Web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID"
version="4.0">
<display-name>CookieTrackingDemo</display-name>
<welcome-file-list>
<welcome-file>index.html</welcome-file>
<welcome-file>index.htm</welcome-file>
<welcome-file>index.jsp</welcome-file>
<welcome-file>default.html</welcome-file>
<welcome-file>default.htm</welcome-file>
<welcome-file>default.jsp</welcome-file>
</welcome-file-list>
<servlet>
<servlet-name>LoginServlet</servlet-name>
<servlet-class>LoginServlet</servlet-class>
</servlet>
<servlet>
<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-mapping>
<servlet-name>LoginServlet</servlet-name>
```

```
<url-pattern>/login</url-pattern>  
</servlet-mapping>  
</web-app>
```

Output :-



[Dashboard with cookie login](#)

[Dashboard without cookie login](#)