**HTML Code**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Insert title here</title>

</head>

<body>

<a href=*"login?userid=admin"*>Dashboard with cookie login</a><br>

<a href=*"dashboard"*>Dashboard without cookie login</a>

</body>

</html>

**LoginServlet**

**import** java.io.\*;

**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

Cookie userId = **new** Cookie("userid", request.getParameter("userid"));

response.addCookie(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);

}

}

**Dashboard Servlet:**

**import** java.io.\*;

**import** javax.servlet.\*;

**import** javax.servlet.annotation.\*;

**import** javax.servlet.http.\*;

/\*\*

\* 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

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>");

}

/\*\*

\* **@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://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>