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

**Dashboard**

**package practice;**

**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);**

**}**

**}**

**Login servlet:**

**package practice;**

**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);**

**}**

**}**

**Index.html:**

**<!DOCTYPE html>**

**<html>**

**<head>**

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

**<title>Insert title here</title>**

**</head><body>**

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