**Phase 2: Practice Project: Assisted Practice: 1**

**Question: 06**

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

**Source Code:**

**Index.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>

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

</body>

</html>

**LoginServlet.java**

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

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

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

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

@WebServlet("/LoginServlet")

**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);

}

}

**Dashboard.java**

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

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

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

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

@WebServlet("/Dashboard")

**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);

}

}

**Output:**





