

## 9 Write a program to demonstrate Session Tracking using an HTTP Session.

### 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

        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);
    }
}
```

### Dashboard:

```
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

    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 session.<br>");
    } else {
        out.println("UserId obtained from session : " + userId + "<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);
}
}

```

### Index.html:

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>HTTPSession Demo</title>
</head>
<body>
    <a href="login?userid=lokes" >Dashboard with Session based login</a><br>
    <a href="dashboard">Dashboard without Session based 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>HTTPSessionDemo</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>
```