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

```
// LoginServlet code
package Phase2;
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 {

                String userId = request.getParameter("userid");
                HttpSession session=request.getSession();
                session.setAttribute("userid", userId);
                response.sendRedirect("dashboard");
        }

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

                doGet(request, response);
        }
}


//Dash board Servlet code :
package Phase2:
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();
```

```java
        }

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

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

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

Html

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

Web.xml

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<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>
</servlet-mapping>
<servlet-mapping>
<servlet-name>LoginServlet</servlet-name>
<url-pattern>/login</url-pattern>
</servlet-mapping>
</web-app>
```