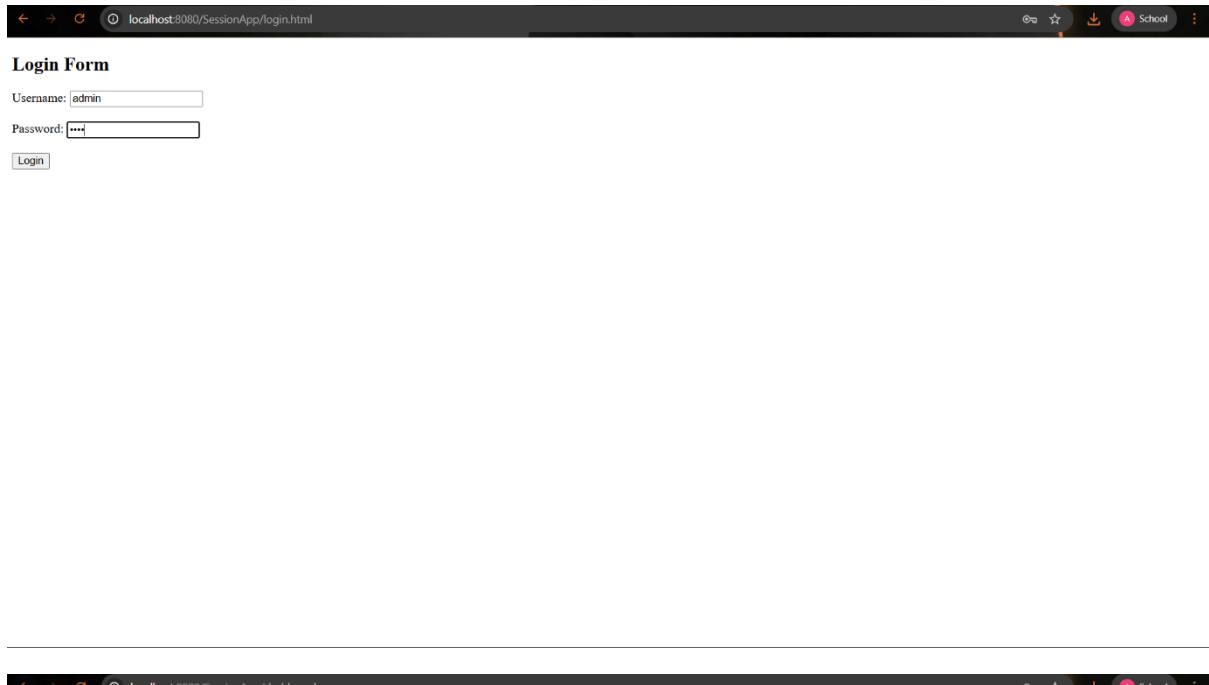


EXPERIMENT 6

OUTPUT –



A screenshot of a web browser window. The address bar shows "localhost:8080/SessionApp/login.html". The page content is a "Login Form" with the following fields:

- Username:
- Password:
-

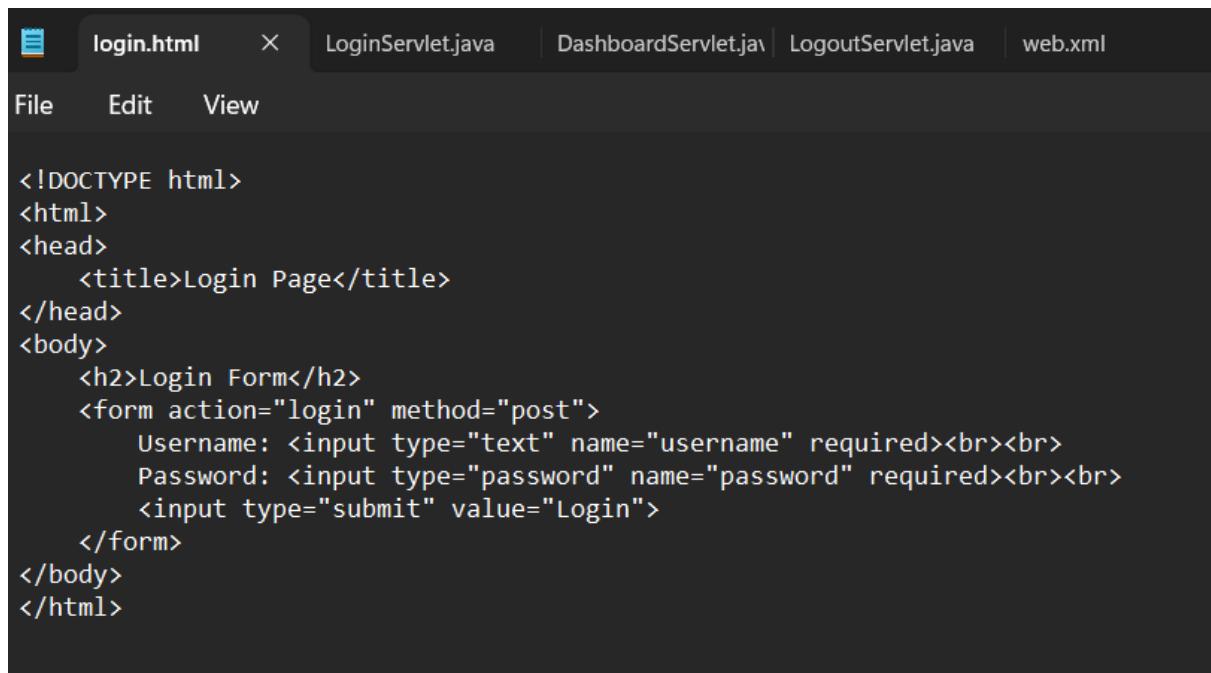


A screenshot of a web browser window. The address bar shows "localhost:8080/SessionApp/dashboard". The page content displays a welcome message and a logout link:

Welcome admin

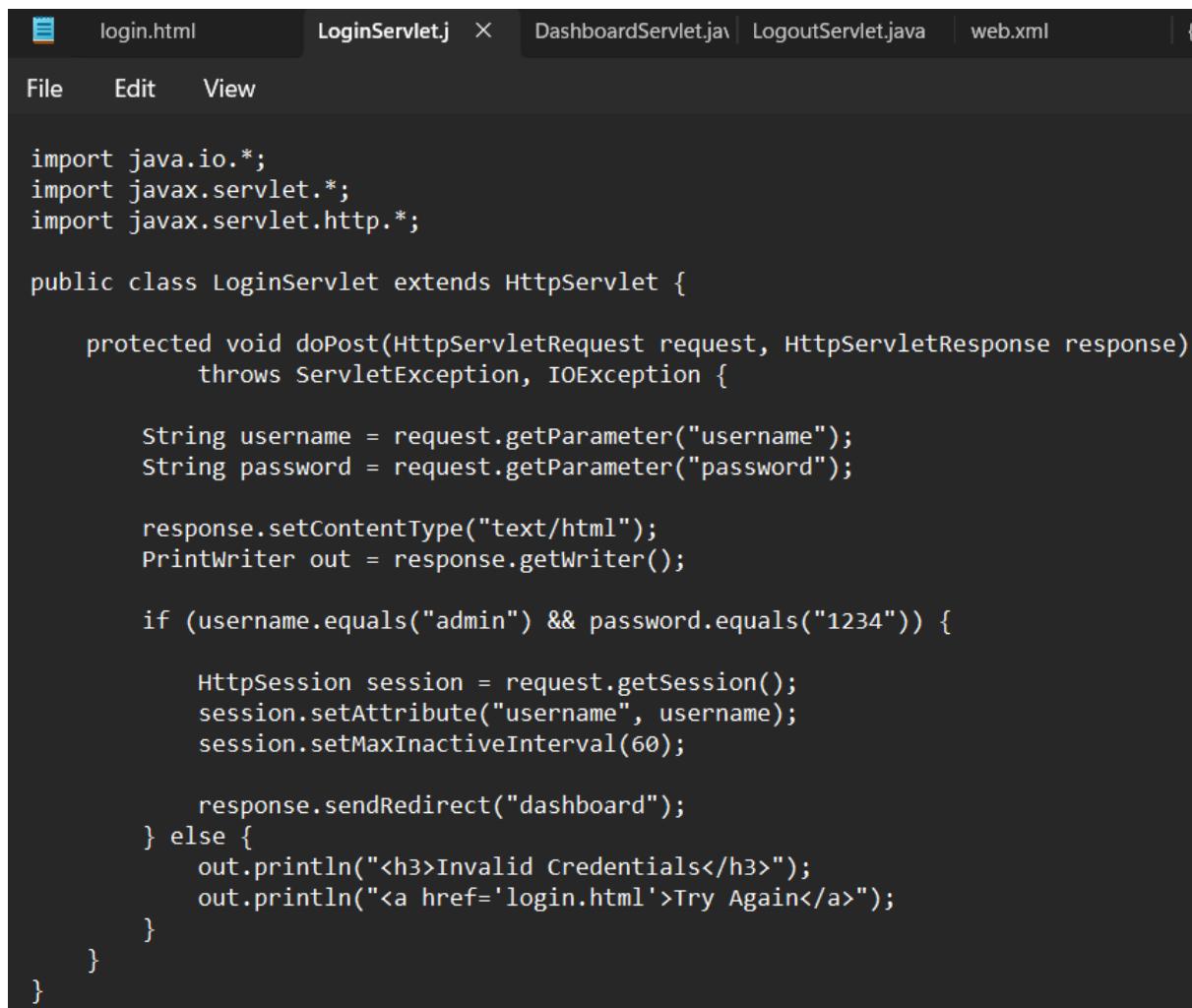
[Logout](#)

PROGRAMS –



A screenshot of a code editor showing the content of a file named `login.html`. The file contains an HTML form for a login page. The code includes a title, a heading, and a form with fields for username and password, and a submit button.

```
<!DOCTYPE html>
<html>
<head>
    <title>Login Page</title>
</head>
<body>
    <h2>Login Form</h2>
    <form action="login" method="post">
        Username: <input type="text" name="username" required><br><br>
        Password: <input type="password" name="password" required><br><br>
        <input type="submit" value="Login">
    </form>
</body>
</html>
```



A screenshot of a code editor showing the content of a Java servlet named `LoginServlet.java`. The code implements a `HttpServlet` and overrides the `doPost` method. It retrieves the username and password from the request parameters, sets the response content type to `text/html`, and prints the credentials to the response writer. If the username is "admin" and the password is "1234", it creates a session, sets the username attribute, and sets a maxInactiveInterval of 60 minutes. Otherwise, it prints an error message and a link to the login page.

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class LoginServlet extends HttpServlet {

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

        String username = request.getParameter("username");
        String password = request.getParameter("password");

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        if (username.equals("admin") && password.equals("1234")) {

            HttpSession session = request.getSession();
            session.setAttribute("username", username);
            session.setMaxInactiveInterval(60);

            response.sendRedirect("dashboard");
        } else {
            out.println("<h3>Invalid Credentials</h3>");
            out.println("<a href='login.html'>Try Again</a>");
        }
    }
}
```

```
login.html | LoginServlet.java | DashboardServlet X | LogoutServlet.java | web.xml

File Edit View

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class DashboardServlet extends HttpServlet {

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

        HttpSession session = request.getSession(false);
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        if (session != null && session.getAttribute("username") != null) {
            String user = (String) session.getAttribute("username");

            out.println("<h2>Welcome " + user + "</h2>");
            out.println("<a href='logout'>Logout</a>");
        } else {
            response.sendRedirect("login.html");
        }
    }
}
```

```
login.html | LoginServlet.java | DashboardServlet.java | LogoutServlet X | web.xml

File Edit View

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class LogoutServlet extends HttpServlet {

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

        HttpSession session = request.getSession(false);

        if (session != null) {
            session.invalidate();
        }

        response.sendRedirect("login.html");
    }
}
```

The screenshot shows a Java IDE interface with a dark theme. At the top, there is a tab bar with several tabs: 'login.html' (selected), 'LoginServlet.java', 'DashboardServlet.java', 'LogoutServlet.java', 'web.xml' (highlighted with a red border), and a close button 'X'. Below the tab bar is a menu bar with 'File', 'Edit', and 'View' options. The main area of the IDE contains the XML code for the web application's deployment descriptor, `web.xml`.

```
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
    version="3.1">

    <servlet>
        <servlet-name>LoginServlet</servlet-name>
        <servlet-class>LoginServlet</servlet-class>
    </servlet>

    <servlet-mapping>
        <servlet-name>LoginServlet</servlet-name>
        <url-pattern>/login</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>DashboardServlet</servlet-name>
        <servlet-class>DashboardServlet</servlet-class>
    </servlet>

    <servlet-mapping>
        <servlet-name>DashboardServlet</servlet-name>
        <url-pattern>/dashboard</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>LogoutServlet</servlet-name>
        <servlet-class>LogoutServlet</servlet-class>
    </servlet>
```