

AIM :

Write a Servlet program to store a user's preferences (like theme or language) using cookies. Retrieve and display these preferences on subsequent visits.

PROGRAM:

Cookie.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Cookies</title>
</head>
<body>
    <form method = "post" >
        <p>
            <label>Username: </label>
            <input type="text" name="username">
        </p>
        <p>
            <label> password: </label>
            <input type="password" name = "password">
        </p>
        <button type="submit"> Submit </button>

    </form>
    <%
    // Request form method == Post
    if ("POST".equals(request.getMethod())) {
        // Get submitted preferences
        String user = request.getParameter("username");
        String pass = request.getParameter("password");
        if(user.equals("SAKTHI") && pass.equals("SAKTHI123") ){

            Cookie username = new Cookie("username", user);
            username.setMaxAge(60*60);
            username.setPath("/");
            response.addCookie(username);

            response.sendRedirect("getCookie.jsp");

        }
    }
    %>
```

```

    }
    // Get current preference values
%>
</body>
</html>

```

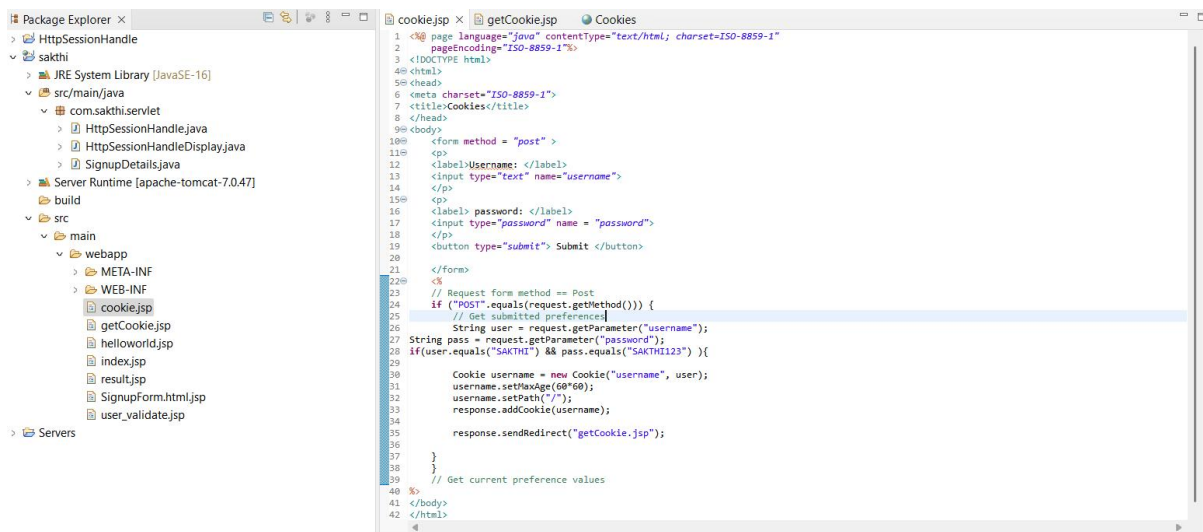
getCookie.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Get Cookie</title>
</head>
<body>
<%
    Cookie[] cookies = request.getCookies();
    String cookieName = "username";
    if (cookies != null) {
        for (Cookie cookie : cookies) {
            if (cookieName.equals(cookie.getName())) {
System.out.println("username "+cookie.getName());
out.println(cookie.getValue());
            }
        }
    }
%>
</html>

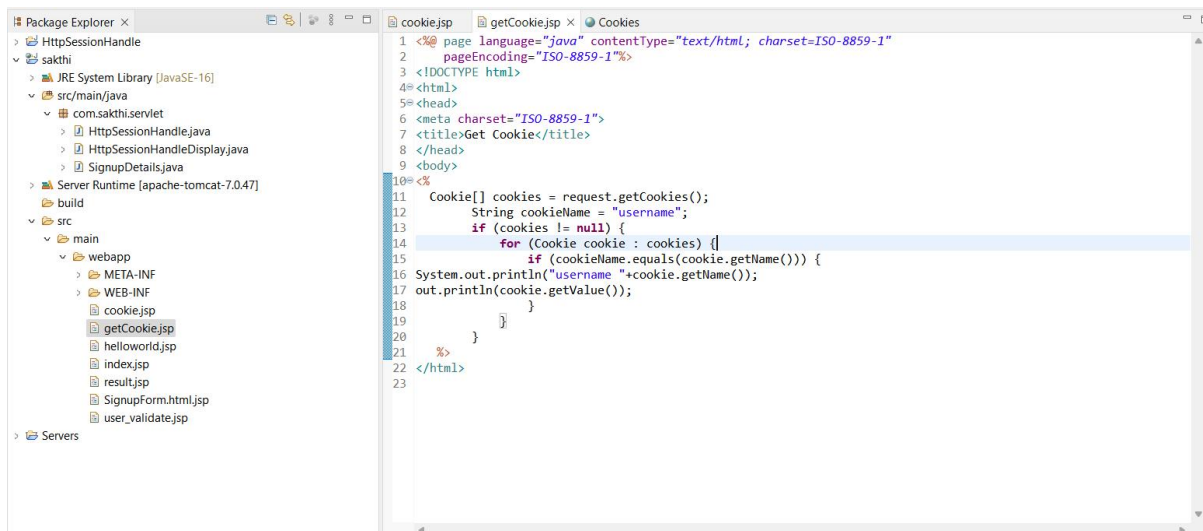
```

OUTPUT:



The screenshot shows the Eclipse IDE with the Package Explorer on the left and the source code of `cookie.jsp` on the right. The Package Explorer shows the project structure for `sakthi`, including `src/main/java/com.sakthi.servlet` and `src/main/webapp`. The source code of `cookie.jsp` is displayed, showing a form for user login and a method to set a cookie.

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
2 pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="ISO-8859-1">
7 <title>Cookies</title>
8 </head>
9 <body>
10 <form method="post">
11 <p>
12 <label>Username: </label>
13 <input type="text" name="username">
14 </p>
15 <p>
16 <label> password: </label>
17 <input type="password" name="password">
18 </p>
19 <button type="submit"> Submit </button>
20 </form>
21 <%
22 // Request form method == Post
23 if ("POST".equals(request.getMethod())) {
24 // Get submitted preferences
25 String user = request.getParameter("username");
26 String pass = request.getParameter("password");
27 if (user.equals("SAKTHI") && pass.equals("SAKTHI123")) {
28 Cookie username = new Cookie("username", user);
29 username.setMaxAge(60*60);
30 username.setPath("/");
31 response.addCookie(username);
32 response.sendRedirect("getCookie.jsp");
33 }
34 }
35 // Get current preference values
36 %>
37 </body>
38 </html>
```



The screenshot shows the Eclipse IDE with the Package Explorer on the left and the source code of `getCookie.jsp` on the right. The Package Explorer shows the project structure for `sakthi`, including `src/main/java/com.sakthi.servlet` and `src/main/webapp`. The source code of `getCookie.jsp` is displayed, showing a method to get and print the value of a cookie.

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"%>
2 pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="ISO-8859-1">
7 <title>Get Cookie</title>
8 </head>
9 <body>
10 <%
11 Cookie[] cookies = request.getCookies();
12 String cookieName = "username";
13 if (cookies != null) {
14 for (Cookie cookie : cookies) {
15 if (cookieName.equals(cookie.getName())) {
16 System.out.println("username "+cookie.getName());
17 out.println(cookie.getValue());
18 }
19 }
20 %>
21 </body>
22 </html>
23
```

localhost:8081/sakthi/cookie.jsp

Username:

password:

Dimensions: Nest Hub Max 1280 x 800 70% No throttling

SAKTHI

Application

- Manifest
- Service workers
- Storage

Storage

- Local storage
- Session storage
- Extension storage
- IndexedDB
- Cookies
 - http://localhost:8081
 - Private state tokens
 - Interest groups
 - Shared storage
 - Cache storage
 - Storage buckets

Background services

- Back/forward cache
- Background fetch
- Background sync
- Bounce tracking mitigati...
- Notifications
- Payment handler
- Periodic background sync
- Speculative loads
- Push messaging
- Reporting API

Frames

- top

Filter

Name	Value	D.	P.	E.	S.	H.	S.	P.	C.	P.
JSESSIO...	2A37A70C4D6...	L...	/...	S...	4...	✓				M.
username	SAKTHI	L...	/	2...	1...					M.

Cookie Value ☐ Show URL-decoded

SAKTHI

RESULT :

Thus the experiment Write a Servlet program to store a user's preferences (like theme or language) using cookies. Retrieve and display these preferences on subsequent visits has been successfully implemented and verified