

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.HTML

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Cookie</title>
</head>
<body>
<form method="post" action="/Cookies">
    <p>
        <label>Theme: </label>
        <input type="text" name="Theme">
    </p>
    <p>
        <label>Language: </label>
        <select name="Language">
            <option value="English">English</option>
            <option value="Tamil">Tamil</option>
            <option value="Hindi">Hindi</option>
        </select>
    </p>
    <button type="submit">Save Preferences</button>
</form>

</body>
</html>
```

GETCOOKIE.jsp

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>GET COOKIE </title>
</head>
<body>
<%
    Cookie[] cookies = request.getCookies();
```

```

        if (cookies != null) {
            for (Cookie cookie : cookies) {
                if ("Theme".equals(cookie.getName())) {
                    System.out.println(cookie.getName());
                    out.println(cookie.getValue());
                }
                else if ("language".equals(cookie.getName())) {
                    System.out.println(cookie.getName());
                    out.println(cookie.getValue());
                }
            }
        }
    }

    %>
</body>
</html>

```

Cookie.java

```

package com.sabharishraja.servlet;

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.Cookie;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class Cookies
 */
@WebServlet("/Cookies")
public class Cookies extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Cookies() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,

```

```

HttpServletResponse response) throws ServletException, IOException {
    String theme = request.getParameter("Theme");
    String lang = request.getParameter("language");

    Cookie theme_cookie = new Cookie("theme", theme);
    Cookie land_cookie = new Cookie("language", lang);
    theme_cookie.setMaxAge(60*60);
    land_cookie.setMaxAge(60*60);
    theme_cookie.setPath("/");
    land_cookie.setPath("/");
    response.addCookie(theme_cookie);
    response.addCookie(land_cookie);

    response.sendRedirect("getcookie.jsp");

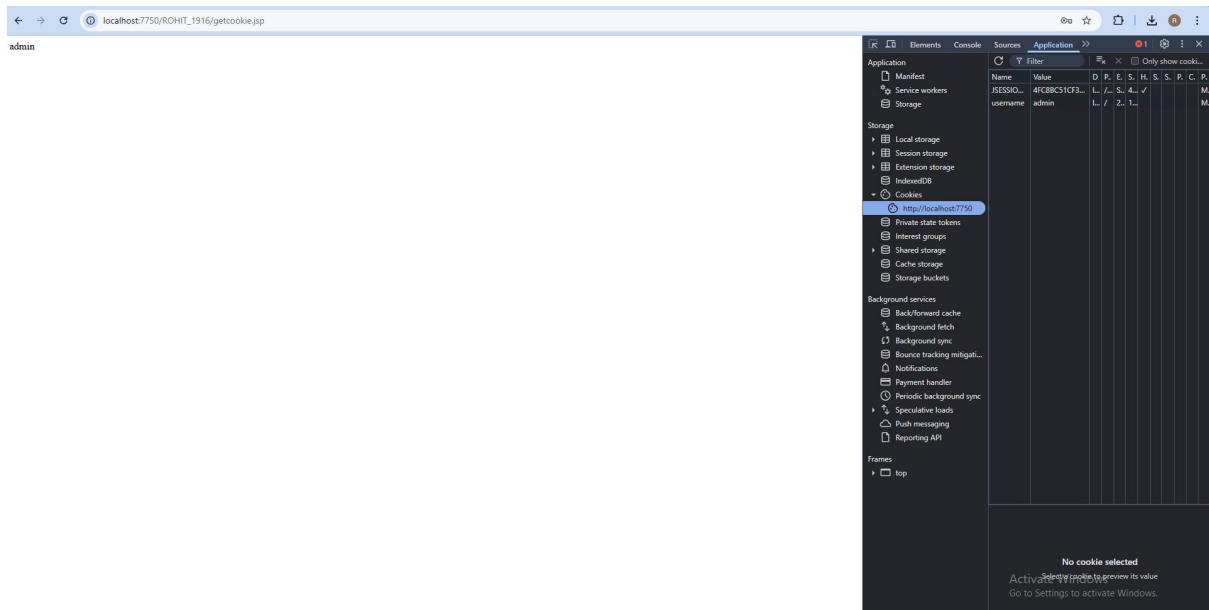
}

/**
 * @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);
}

}

```

OUTPUT:



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