**EXP NO: 7** 

# **Servlet Program to Store and Retrieve User Preferences Using Cookies**

## 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.

### Code:

## 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>Set Preferences</title>
</head>
<body>
  <form method="post">
     >
       <label>Theme: </label>
       <select name="theme">
         <option value="light">Light</option>
         <option value="dark">Dark</option>
       </select>
    >
       <label>Language: </label>
       <select name="language">
         <option value="English">English</option>
         <option value="Tamil">Tamil</option>
         <option value="Hindi">Hindi</option>
```

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```
</select>
    <button type="submit">Save Preferences</button>
  </form>
<%
  if ("POST".equals(request.getMethod())) {
    String theme = request.getParameter("theme");
    String language = request.getParameter("language");
    Cookie themeCookie = new Cookie("theme", theme);
    Cookie langCookie = new Cookie("language", language);
    themeCookie.setMaxAge(60 * 60 * 24 * 7); // 7 days
    langCookie.setMaxAge(60 * 60 * 24 * 7); // 7 days
    themeCookie.setPath("/");
    langCookie.setPath("/");
    response.addCookie(themeCookie);
    response.addCookie(langCookie);
    response.sendRedirect("getCookie.jsp");
  }
%>
</body>
</html>
Getcookie.jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
  pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
```

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```
<html>
<head>
<meta charset="ISO-8859-1">
<title>Your Preferences</title>
</head>
<body>
<%
  String theme = "Not set";
  String language = "Not set";
  Cookie[] cookies = request.getCookies();
  if (cookies != null) {
     for (Cookie cookie : cookies) {
       if ("theme".equals(cookie.getName())) {
          theme = cookie.getValue();
       } else if ("language".equals(cookie.getName())) {
         language = cookie.getValue();
%>
  <h2>Your Saved Preferences</h2>
  Theme: <%= theme %>
  Language: <%= language %>
</body>
</html>
```

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### **OUTPUT:**

```
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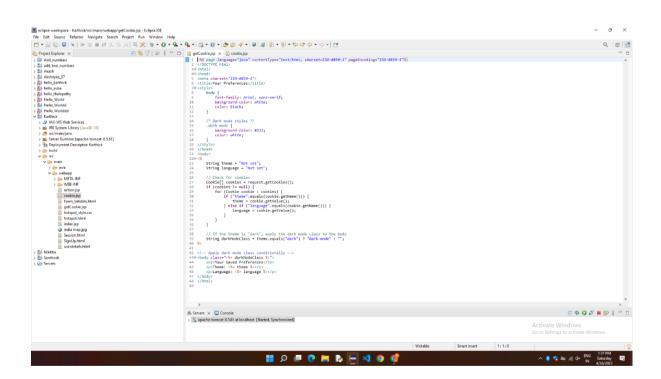
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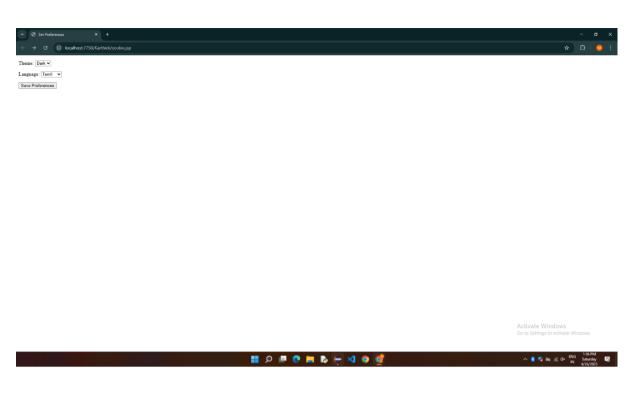
## Project Engineer

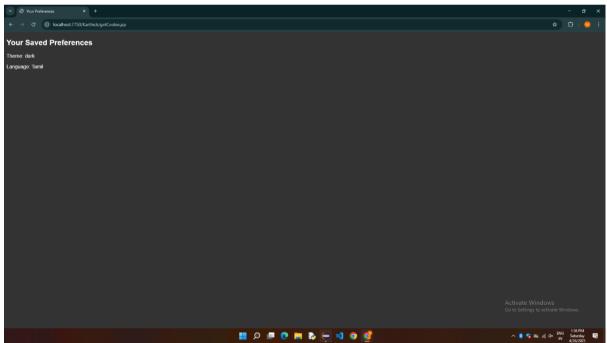
## Project 
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S apache-tomcat-8.5.61 at localhost [Started, Synchronized]
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```



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## **RESULT:**

Thus, the Cookies is demonstrated Successfully.

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