**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">

<p>

<label>Theme: </label>

<select name="theme">

<option value="light">Light</option>

<option value="dark">Dark</option>

</select>

</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>

<%

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>

<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>

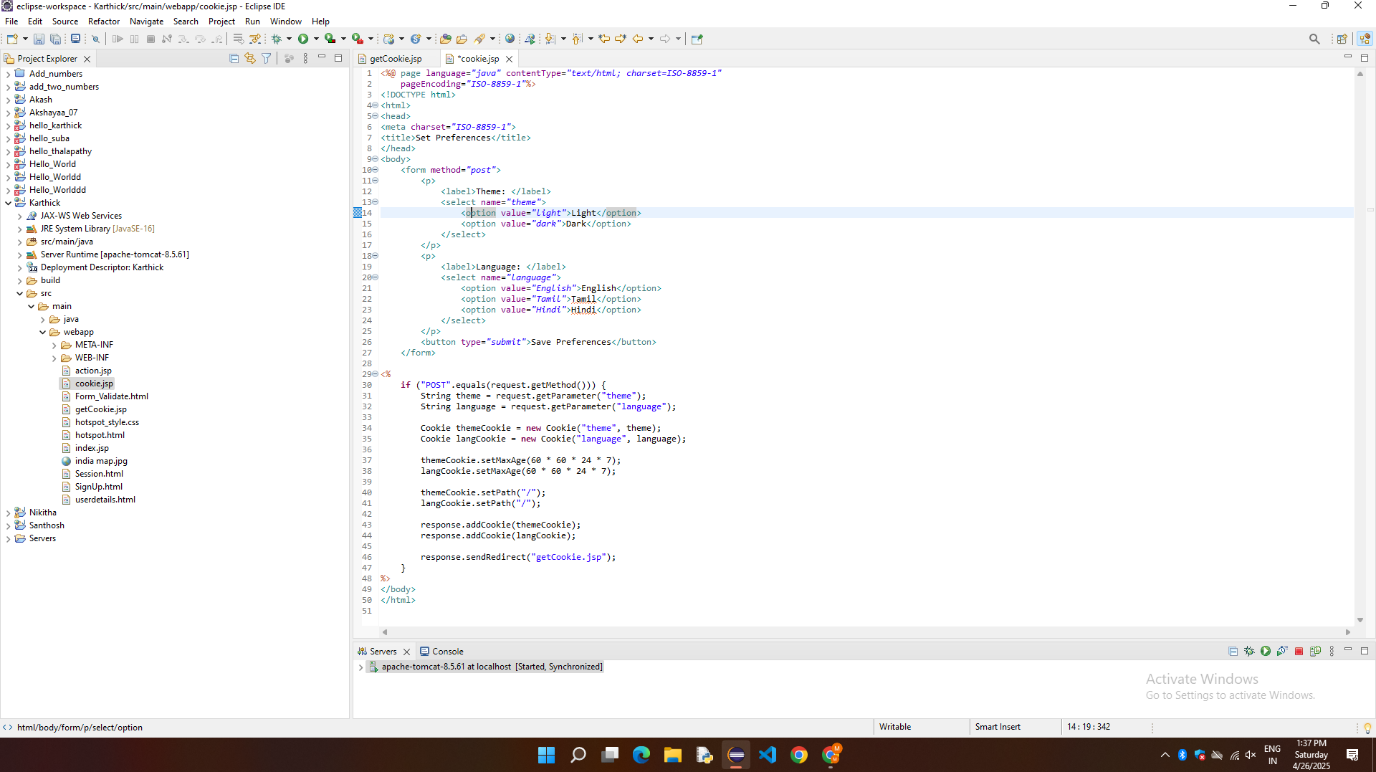
<p>Theme: <%= theme %></p>

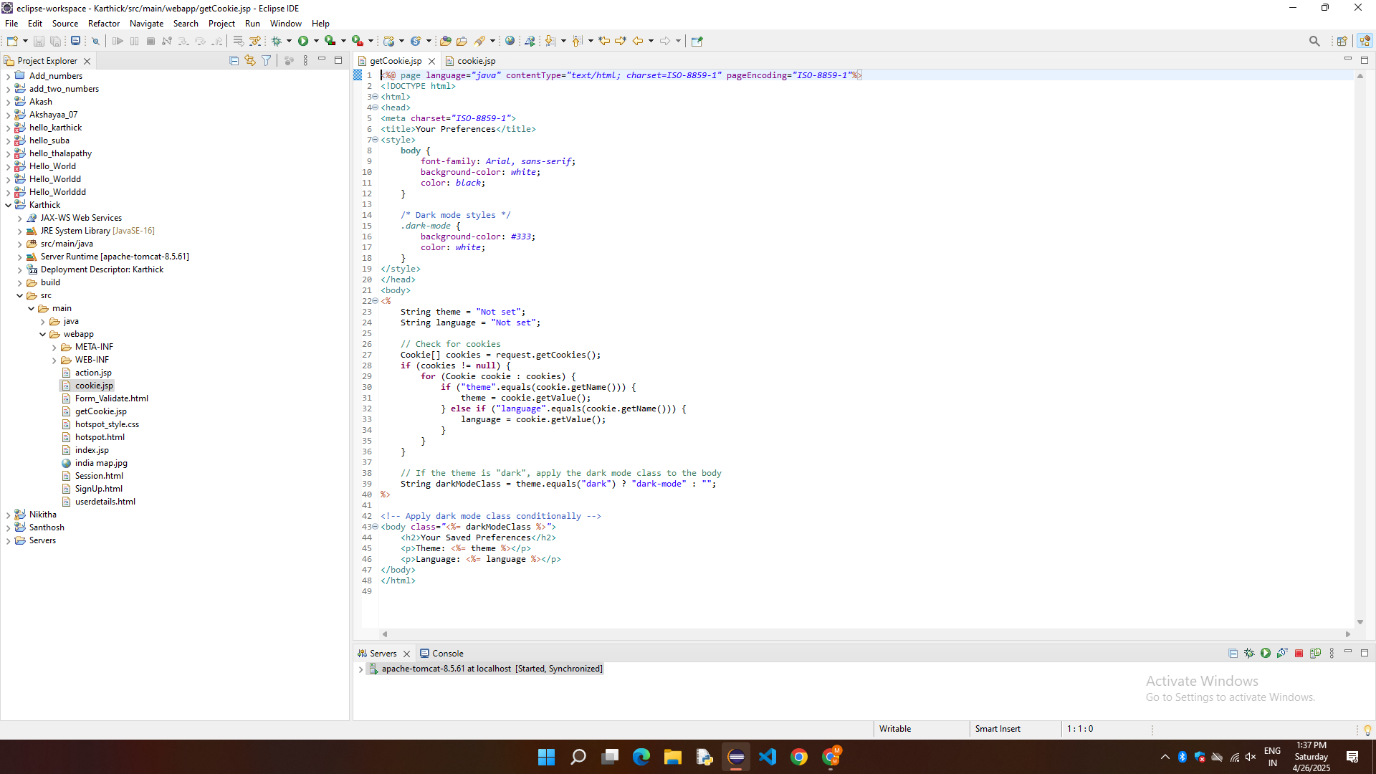
<p>Language: <%= language %></p>

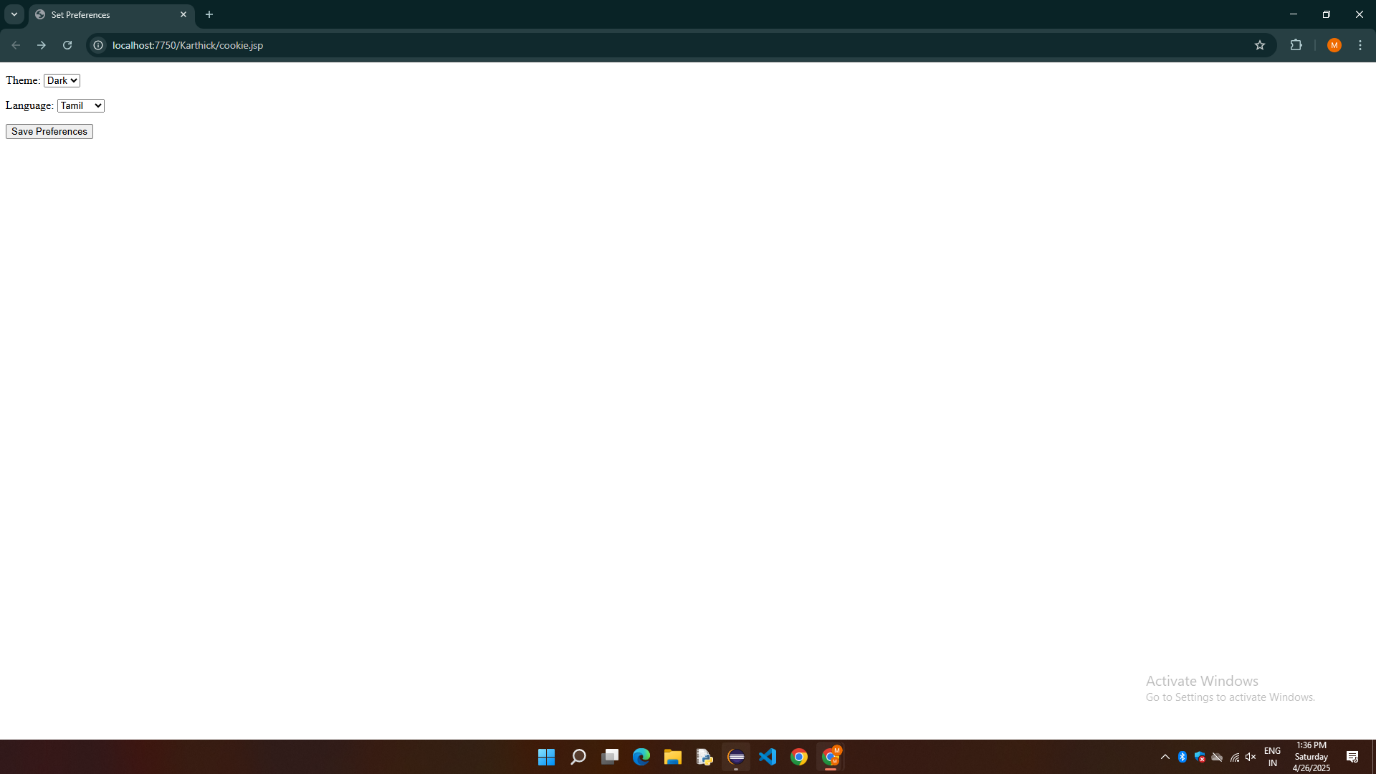
</body>

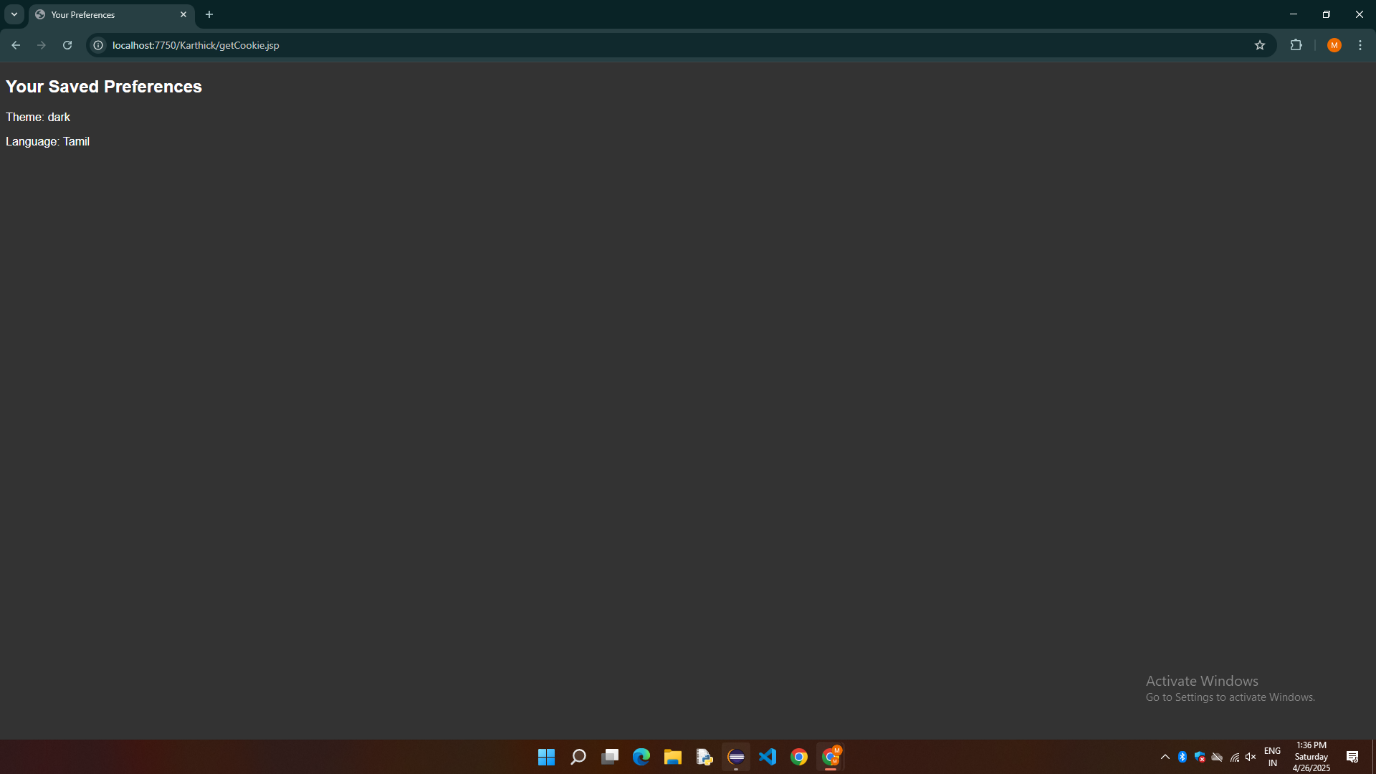
</html>

**OUTPUT:**

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**RESULT:**

Thus, the Cookies is demonstrated Successfully.