EXP : 7	COOKIE TO STORE USER INFORMATION

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.html:

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>COOKIE</title>
</head>
<body>
<form action="/gaurav/cookie" method="post"  >
<label for="name" >USER-NAME</label>
<input type="text" name=username placeholder="Enter the User-name" required>
<br>
<br>
<label for="password">PASSWORD
</label>
<input type="text" name=password placeholder="Enter the Password" required>
<br>
<input type = "submit" value= "signin">
</form>
</body>
</html>
```

Cookie.java:

```java
package com.gaurav.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 cookie
 */
@WebServlet("/cookie")
public class cookie extends HttpServlet {
    private static final long serialVersionUID = 1L;

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

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at: ").append(request.getContextPath());
    }
```
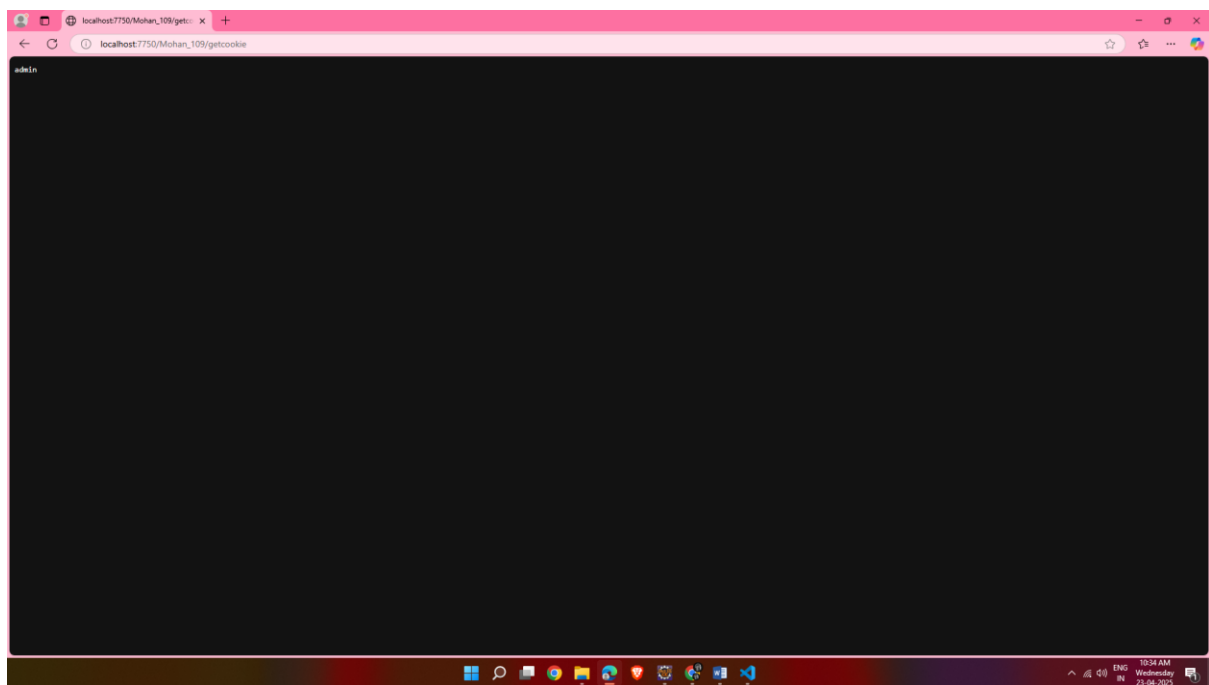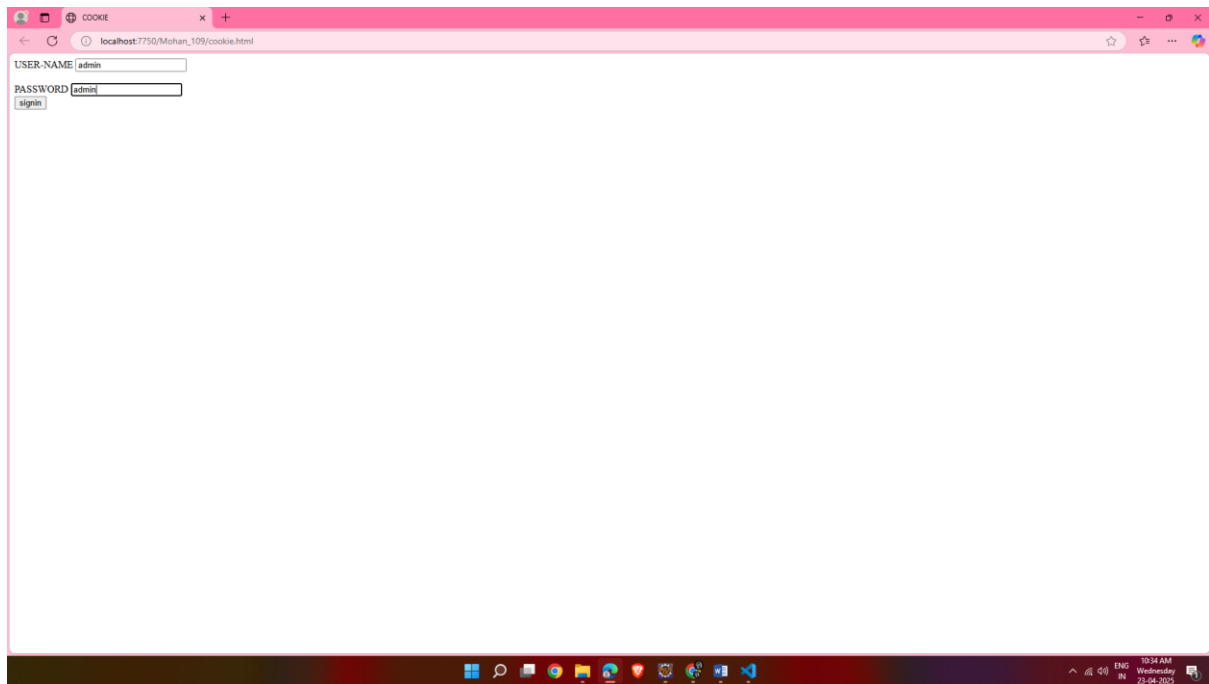
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```java
    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

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

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

        if(user.equals("123") && pass.equals("123") ){


            Cookie username = new Cookie("username", user);

            username.setMaxAge(60*60);

            username.setPath("/");

            response.addCookie(username);


            response.sendRedirect(request.getContextPath() + "/getcookie");


        }

    }

}
```

GetCookie.java:

```java
package com.gaurav.servlet;


import java.io.IOException;

import java.io.PrintWriter;


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;
```

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```java
/**
 * Servlet implementation class getcookie
 */
@WebServlet("/getcookie")
public class getcookie extends HttpServlet {
        private static final long serialVersionUID = 1L;
        private static final PrintWriter NULL = null;

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

      /**
       * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
       */
      protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
            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());
PrintWriter out = response.getWriter();
out.println(cookie.getValue());
        }
      }
    }
```

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```
        }


    /**

     * @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:

Handling user information using cookie is done using servlet successfully.