

<b>EXP : 7</b>	<b>COOKIE TO STORE USER INFORMATION</b>
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**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:**

```
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>COOKIE</title>

</head>

<body>

<form action="/BK-20//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:**

```

package com.bk.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());
    }
}

```

```

/**
 * @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:**

```

package com.bk.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;

```

```

/**
 * 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());

                }
            }
        }
    }
}

```

```

    }

    /**
     * @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);
    }

}

```

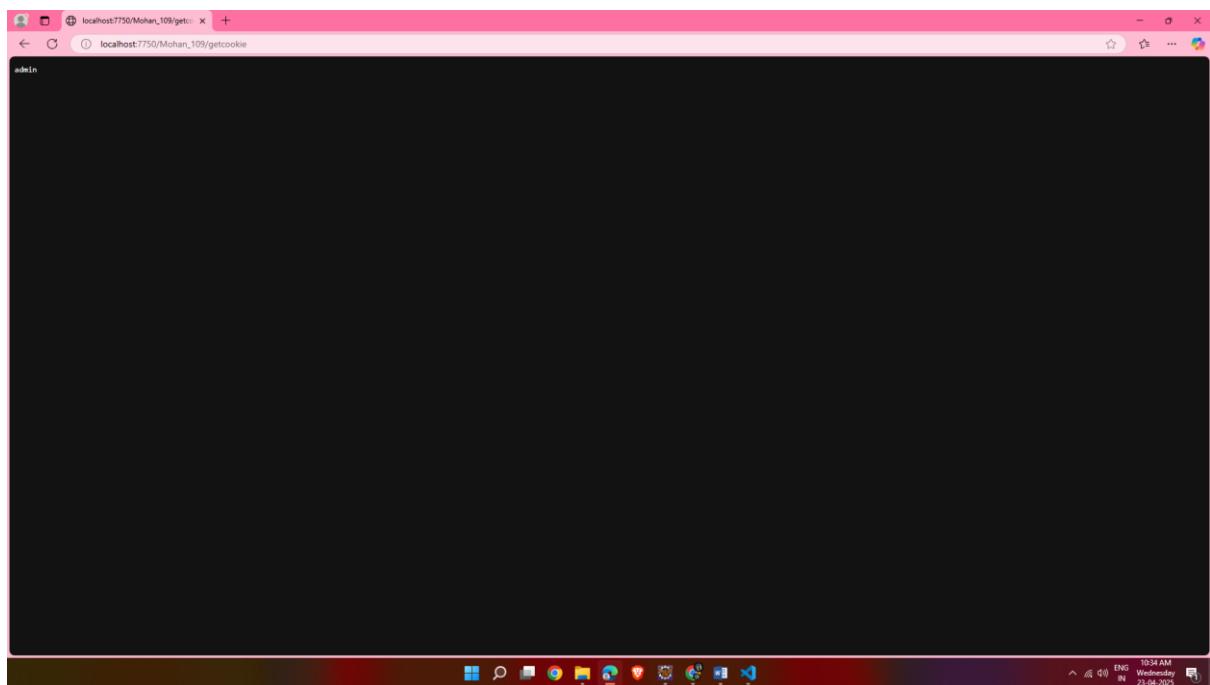
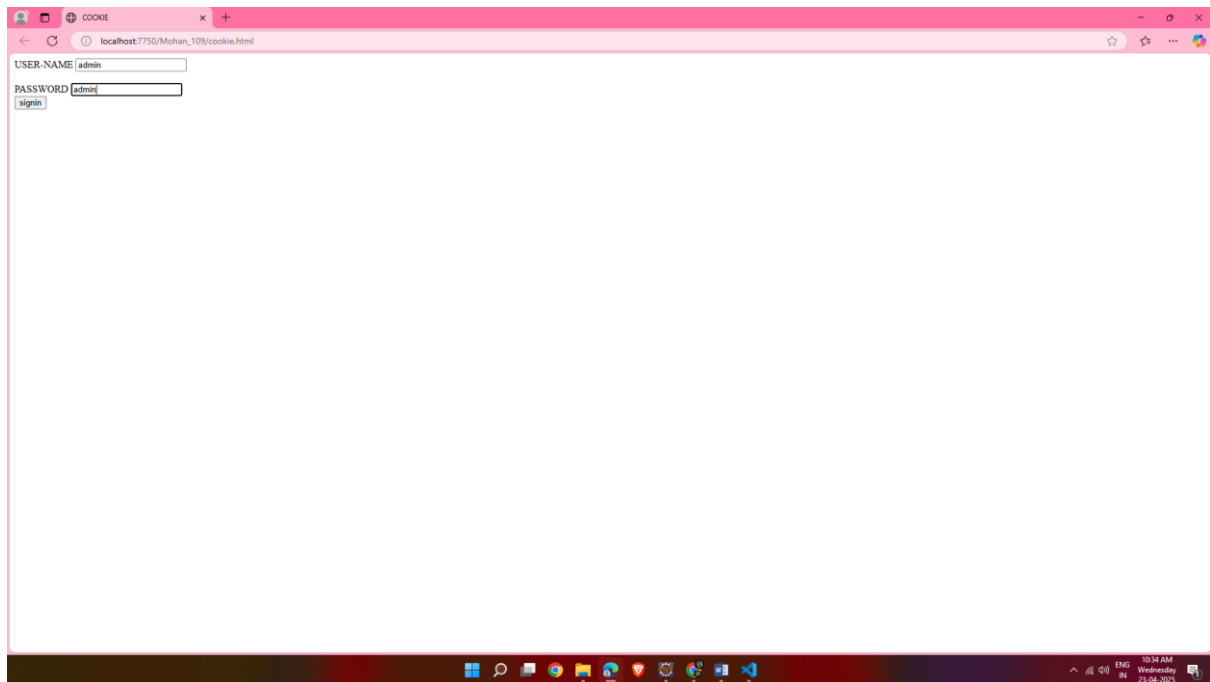
## OUTPUT:

```

eclipse-workspace - Mohan_100\src\main\java\com\mohan\servlet\cookie.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

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  dragon
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  Mohan_100
    Deployment Descriptor: Mohan_100
    JAX-WS Web Services
    Web Services
    Java Resources
      src/main/java
        com.mohan.servlet
          cookie.java
          getcookie.java
          HelloWorld.java
          HttpSessionHandler.java
          login.java
          signin.java
        build
        src
        MAN2
        MAN3
        test
        src\main\java
  Libraries

cookie.java X
  1 package com.mohan.servlet;
  2
  3 import java.io.IOException;
  4
  5 /**
  6  * Model implementation class cookie
  7  */
  8 @Servlet("cookie")
  9 public class cookie extends HttpServlet {
  10     private static final long serialVersionUID = 1L;
  11
  12     /**
  13      * See HttpServlet(HttpServlet)
  14      */
  15     public cookie() {
  16         super();
  17     }
  18     // TODO Auto-generated constructor stub
  19
  20     /**
  21      * See HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
  22      */
  23     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
  24         // TODO Auto-generated method stub
  25         response.getWriter().append("Served at: ").append(request.getContextPath());
  26     }
  27
  28     /**
  29      * See HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
  30      */
  31     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
  32         String user = request.getParameter("username");
  33         String pass = request.getParameter("password");
  34         if (user.equals("admin") && pass.equals("admin")) {
  35             Cookie username = new Cookie("username", user);
  36             username.setPath("/");
  37             username.setPath("/");
  38             response.addCookie(username);
  39             response.sendRedirect(request.getContextPath() + "/getcookie");
  40         }
  41     }
  42 }
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### **RESULT:**

Handling user information using cookie is done using servlet successfully.