

# ASSIGNMENT 7:

## IMPLEMENTING SESSION MANAGEMENT BY COOKIE

### Cookie1.html

```
<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>COOKIE</title>

</head>

<body>

<form action="servlet1" method="post">

Name:<input type="text" name="userName"><br>

<input type="submit" value="go">

</form>

</body>

</html>
```

### FirstServlet.java

```
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;

import javax.servlet.http.HttpSession;
```

```

@WebServlet("/FirstServlet")

public class FirstServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public FirstServlet() {
        super();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        response.getWriter().append("Served at: ").append(request.getContextPath());
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        try {
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
            String n=request.getParameter("userName");
            out.print("Welcome "+n);
            Cookie ck = new Cookie("uname",n);
            response.addCookie(ck);
            out.print("<form action='servlet2' method='post'>");
            out.print("<input type='submit' value='go'>");
            out.print("</form>");
            out.close();
        }
        catch(Exception e) {
            System.out.println(e);
        }
    }
}

```

## SecondServlet.java

```
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;
import javax.servlet.http.HttpSession;

@WebServlet("/SecondServlet")

public class SecondServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public SecondServlet() {
        super();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.getWriter().append("Served at: ").append(request.getContextPath());
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse
        response) throws ServletException, IOException {
        try {
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
            Cookie ck[]=request.getCookies();
            for (int i=0;i<ck.length;i++)
            {
                if(ck[i].getName().equals("uname")) {
```

```

out.print("Hello "+ck[i].getValue());

}

}

out.close();

}

catch(Exception e) {

System.out.println(e);

}

}

}

```

## Web.xml

```

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns="http://xmlns.jcp.org/xml/ns/javaee"

xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee

http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID" version="4.0">

<display-name>ServletP</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>s1</servlet-name>

<servlet-class>FirstServlet</servlet-class>

</servlet>

```

```
<servlet-mapping>
<servlet-name>s1</servlet-name>
<url-pattern>/servlet1</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>s2</servlet-name>
<servlet-class>SecondServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>s2</servlet-name>
<url-pattern>/servlet2</url-pattern>
</servlet-mapping>
</web-app>
```

## OUTPUT

---

Name: <input type="text" value="Tarun"/>	
<input type="button" value="go"/>	
	<div>Welcome Tarun</div> <div><input type="button" value="go"/></div>
	Hello Tarun

## ASSIGNMENT 8:

### Q.IMPLEMENTING SESSION MANAGEMENT BY SESSION

#### Cookie1.html

```
<!DOCTYPE html>
<html>
```

```
<head>

<meta charset="ISO-8859-1">

<title>COOKIE</title>

</head>

<body>

<form action="servlet1" method="post">

Name:<input type="text" name="userName"><br>

<input type="submit" value="go">

</form>

</body>

</html>
```

## FirstServlet.java

```
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;

import javax.servlet.http.HttpSession;

@WebServlet("/FirstServlet")

public class FirstServlet extends HttpServlet {

    private static final long serialVersionUID = 1L;

    public FirstServlet() {

        super();

    }

    protected void doGet(HttpServletRequest request, HttpServletResponse

response) throws ServletException, IOException {
```

```

response.getWriter().append("Served at: ").append(request.getContextPath());
}

protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
try {
response.setContentType("text/html");
PrintWriter out = response.getWriter();
String n=request.getParameter("userName");
out.print("Welcome "+n);
HttpSession ses = request.getSession();
ses.setAttribute("uname", n);
out.print("<form action='servlet2' method='post'>");
out.print("<input type='submit' value='go'>");
out.print("</form>");
out.close();
}
catch(Exception e) {
System.out.println(e);
}
}
}

```

## SecondServlet.java

```

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;
import javax.servlet.http.HttpSession;
@WebServlet("/SecondServlet")
public class SecondServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    public SecondServlet() {
        super();
        // TODO Auto-generated constructor stub
    }
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at: ").append(request.getContextPath());
    }
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        try {
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
            HttpSession ses=request.getSession();
            if (ses != null && ses.getAttribute("uname") !=null) {
                out.print("Hello "+ses.getAttribute("uname"));
            }
            out.close();
        }
        catch(Exception e) {
            System.out.println(e);
        }
    }
}

```



}

## Web.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID" version="4.0">

<display-name>ServletP</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>s1</servlet-name>

<servlet-class>FirstServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>s1</servlet-name>

<url-pattern>/servlet1</url-pattern>

</servlet-mapping>

<servlet>

<servlet-name>s2</servlet-name>

<servlet-class>SecondServlet</servlet-class>

</servlet>

<servlet-mapping>
```

```
<servlet-name>s2</servlet-name>  
<url-pattern>/servlet2</url-pattern>  
</servlet-mapping>  
</web-app>
```

## OUTPUT

---

Name:

---

Welcome Tarun

Hello Tarun