**Experiment-2.3**

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**Section/Group:** MCA6-A

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**Subject Name:** Advanced Internet Programming Lab

**Subject Code:** 21CAP-655

**Question 1: How to do Java Servlet Session Management using Cookies? Expound using programs.**

**Ans.** Cookies are small pieces of information that are sent in response from the web server to the client. Cookies are the simplest technique used for storing client state.

Cookies are stored on client's computer. They have a lifespan and are destroyed by the client browser at the end of that lifespan.

Using Cookies for storing client state has one shortcoming though, if the client has turned ofCOokie saving settings in his browser then, client state can never be saved because the browser will not allow the application to store cookies.

**Code:**

**Index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Form</title>

</head>

<body>

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

<input type="text" name="userName"/><br/>

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

</form>

</body></html>

**FirstServlet.java**

package com.amit;

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class FirstServlet extends HttpServlet{

public void doPost(HttpServletRequest request, HttpServletResponse response)

{

try{

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String n=request.getParameter("userName");

out.print("Welcome "+n);

Cookie ck=new Cookie("uname",n);//creating cookie object

response.addCookie(ck);//adding cookie in the response

//creating submit button

out.print("<form action='servlet2'>");

out.print("<input type='submit' value='go'>");

out.print("</form>");

out.close();

}catch(Exception e){

System.out.println(e);

}

}

}

package com.amit;

import java.io.\*;

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out.print("<input type='submit' value='go'>");

out.print("</form>");

out.close();

}catch(Exception e){

System.out.println(e);

}

}

}

**SecondServlet.java**

package com.amit;

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

public class SecondServlet extends HttpServlet{

public void doPost(HttpServletRequest request, HttpServletResponse response)

{

try{

response.setContentType("text/html");

PrintWriter out = response.getWriter();

Cookie ck[]=request.getCookies();

out.print("Hello "+ck[0].getValue());

out.close();

}

catch(Exception e)

{

System.out.println(e);

}

}

}

**web.xml**

<web-app>

<servlet>

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

<servlet-class>com.amit.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>com.amit.SecondServlet</servlet-class>

</servlet>

<servlet-mapping>

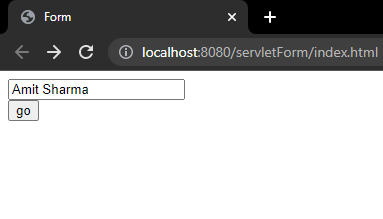
<servlet-name>s2</servlet-name>

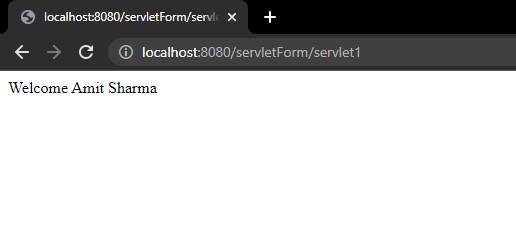
<url-pattern>/servlet2</url-pattern>

</servlet-mapping>

</web-app>

**Output:**



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