**Practical 5**

**Aim:**

**5.7: JSP Cookies Example**

**Description:**

**Cookie Example to Store and Show only 10 values**This cookie example illustrates how you can manage cookie value in your JSP page. This example is saving and displaying cookies and also it is managing cookies size in such manner that if cookie size becomes greater than a limit (e.g 10 in this case), it will automatically deletes the oldest cookie from the list. Cookies age can be set using the following code:

setMaxAge(365\*24\*60\*60)

User can add new cookie by entering the cookie name and value from the JSP page. On the form submit event user input will be added into cookie array by the following method:response.addCookie(<cookie name>) We are managing cookies by the cookie age. If the cookie ages is set to zero then it will be deleted. We are using the MaxAge property of the cookie to delete the cookie.To delete any cookie you can set its MaxAge to zero

e.g.MaxAge="0".   
<%

if(cookies.length>=10){   
intstart=cookies.length-10;  
 cookies[start].setMaxAge(0);  
      response.addCookie(cookies[start]);  
   }   
%>

**Program code:**

**Cookie.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8" import="java.util.\*"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<h3>Enrollment No.:130050131047</h3>

<%

Cookie[] c=request.getCookies();

if(c==null){

c=new Cookie[0];

}

String name=request.getParameter("name");

String value=request.getParameter("value");

Cookie temp=null;

if(name!=null && value!=null && name.length()>0 && value.length()>0){

temp=new Cookie(name,value);

temp.setMaxAge(365\*24\*60\*60);

response.addCookie(temp);

}

for(int i=0;i<c.length-1;i++){

out.print("Cookie Number:"+i+"Cookie Name: "+c[i].getName()+"Cookie Value: "+c[i].getValue()+"<br/>");

if(temp!=null && temp.getName().equals(c[i].getName())){

temp=null;

}

if(c.length>=10){

int start=c.length-10;

c[start].setMaxAge(0);

response.addCookie(c[start]);

}

}

%>

<form action="Cookie.jsp" method="GET">

<center>

Get Cookie Name<input type="text" name="name" placeholder="Enter Cookie Name"/><br/>

Get Cookie Value<input type="text" name="value" placeholder="Enter Cookie Value"/><br/><br/>

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

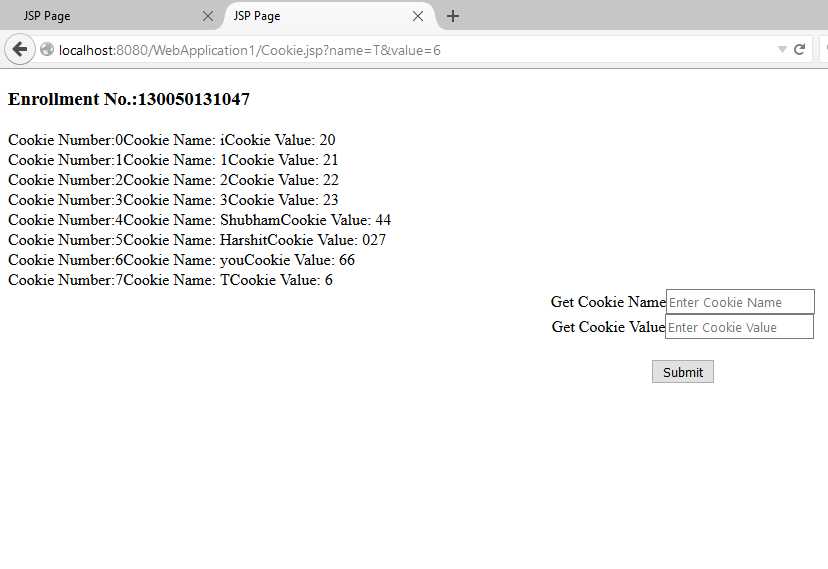
</center>

</form>

</body>

</html>

**Output:**

****