Lab 7: To Check Login details of a user using Servlet and Implementing session management using Cookies.

HTML Source Code:-

cookie.html:-

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="servlet1"><!--url pattern name of servlet -->
 Name:<input type="text" name="userName"/><br/>
<input type="submit" value="go"/>
</form>
</body>
</html>
```

Servlet Source Code:-

FirstServlet.java:-

```java
import java.io.*;
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 FirstServlet
 */
@WebServlet("/FirstServlet")
public class FirstServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
```

```java
     */
    public FirstServlet() {
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
        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' method='post'>");
            out.print("<input type='submit' value='go'>");
            out.print("</form>");
            out.close();
        }
        catch(Exception e){
                System.out.println(e);
        }
        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 {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}
```

SecondServlet.java:-

```java
import java.io.*;
```

```java
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 SecondServlet
 */
@WebServlet("/SecondServlet")
public class SecondServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public SecondServlet() {
        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
        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);
        }

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

    /**
```

```java
	 * @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);
	}

}
```