Practical-5

Name : Naman Madharia
Roll no : 130

Title : Develop an application to keep track of one user across several Servlet invocations within the same browser session. Use Session tracking and Cookies

Java Code:

```java
import java.io.IOException;
import java.io.PrintWriter;
import java.util.Enumeration;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

@WebServlet(urlPatterns = {"/Login"})
public class LogIn extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        PrintWriter writer = response.getWriter();
        HttpSession session = request.getSession(true);
        session.setAttribute("username", username);
        session.setAttribute("password", password);
        if(username.equals("naman") && password.equals("1234")){
            try{
                response.setContentType("text/html;charset=UTF-8");
                writer.println("<html><link rel=\"stylesheet\" href=\"style.css\"><body>");
                writer.println("Thank You, "+username+". You are now Logged in");
                if(session == null){
                    writer.println("<p>You are not logged in</p>");
                }else{
                    writer.println("Your details are: ");
                    Enumeration names = session.getAttributeNames();
                    while(names.hasMoreElements()){
                        String name = (String) names.nextElement();
                        Object value = session.getAttribute(name);
```

```java
                writer.println("<p>Name = "+name+" Value = "+value+"</p>");
            }
        }
        writer.println("<p><a href=\"index.html\"> Return </a>to login page</p>");
        writer.println("</body></html>");
        writer.close();
    }catch(Exception e){
        e.printStackTrace();
    }
    }else{
        writer.println("Authentication Failed!!!");
    }
    }

}
```

HTML code:

```html
<html>
    <head>
        <title>Login Page</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <link rel="stylesheet" href="mycss.css">
    </head>
    <body>
        <div class="form">
            <form action="LogIn" method="get">
                <h1>Login Page</h1>
                <div class="credentials">
                    <div class="loginHeaders">
                        Username
                    </div>
                    <input type="text" name="username" id="username">
                </div>
                <div class="credentials">
                    <div class="loginHeaders">
                        Password
                    </div>
                    <input type="password" name="password" id="password">
                </div>
                <div class="buttons credentials">
                    <button type="submit">Login</button>
```

```html
            </div>
          </form>
        </div>
      </body>
</html>
```

Css Code:

```css
body{
    background-color: rgb(247, 185, 121);
}

.loginHeaders{
    font-size: 15px;
    font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans
Unicode', Geneva, Verdana, sans-serif;
}

.form{
    display: flex;
    justify-content: center;
    position: relative;
    top: 100px;
}

input{
    padding: 5px 20px 5px 5px;
}

button{
    border-style: none;
    border-radius: 5px;
    font-size: 15px;
    padding: 5px 20px;
    background-color: rgb(733, 634, 659);
}

button:hover{
    background-color: rgb(85, 19, 74);
}

.credentials{
    display: block;
```

```css
    margin-top: 30px;
}

h1{
    display: flex;
    justify-content: center;
}

form{
    width: fit-content;
    border-style: groove;
    display: grid;
    padding: 50px;
    justify-content: center;
}
```

OUTPUT:

Thank You, naman. You are now Logged in Your details are:

Name = password Value = 1234

Name = username Value = naman

Return to login page