SERVLET - DAY 3 ASSIGNMENT

Harshit Kushmakar| 16896

1. Create servlet that displays the number of visits by a user using the session tracking.

Also, display the session id and other details of the session object.

```java
package servletassignment3;

import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

@WebServlet("/VisitCounterServlet")
public class VisitCounterServlet extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        HttpSession session = request.getSession(true);
        Integer visitCount = (Integer)session.getAttribute("visitCount");
        if (visitCount == null) {
            visitCount = 1;
        } else {
            visitCount++;
        }
        session.setAttribute("visitCount", visitCount);
        out.println("<html><body>");
        out.println("<h2>Visit Counter Servlet</h2>");
        out.println("<p>You have visited this page " + visitCount + " time(s).</p>");
        out.println("<p>Session ID: " + session.getId() + "</p>");
        out.println("<p>Creation Time: " + new
java.util.Date(session.getCreationTime()) + "</p>");
        out.println("<p>Last Accessed Time: " + new
                java.util.Date(session.getLastAccessedTime()) + "</p>");
        out.println("<p>Max Inactive Interval (in seconds): " +
session.getMaxInactiveInterval() +
                "</p>");
        out.println("</body></html>");
        out.close();
    }
}
```

2. Create a servlet that displays all the cookies in a tabular form, if they exist. Otherwise, display the message "No Cookie".

```java
package servletassignment3;

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class CookieServlet extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse
response)
            throws ServletException, IOException {
        Cookie[] cookies = request.getCookies();
        if (cookies != null && cookies.length > 0) {
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
            out.println("<html><head><title>All Cookies</title></head>");
            out.println("<body><h1>All Cookies</h1>");
            out.println("<table
border='1'><tr><th>Name</th><th>Value</th></tr>");
            for (Cookie cookie : cookies) {
                out.println("<tr><td>" + cookie.getName() + "</td><td>" +
cookie.getValue() +
                    "</td></tr>");
            }
            out.println("</table></body></html>");
        } else {
            response.getWriter().write("No Cookie");
        }
    }
}
```