Practica no:- 24

Program code:-

1)

```java
import java.io.IOException;

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;

@WebServlet("/CreateCookieServlet")

public class CreateCookieServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

Cookie myCookie = new Cookie("username", "john_doe");

myCookie.setMaxAge(3600); // 1 hour (you can adjust this as needed)

response.addCookie(myCookie);

response.setContentType("text/html");

response.getWriter().println("Cookie created successfully.");}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

2

throws ServletException, IOException {

doGet(request, response);
```

}}

Cookie created successfully.

2)

Welcome Ritesh

go

Exercise:-

1)

```java
import java.io.IOException;

import java.io.PrintWriter;

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;

@WebServlet("/UserInformationServlet")

3

public class UserInformationServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String username = null;
```

```java
String email = null;

Cookie[] cookies = request.getCookies();

if (cookies != null) {

for (Cookie cookie : cookies) {

if ("username".equals(cookie.getName())) {

username = cookie.getValue();

}

if ("email".equals(cookie.getName())) {

email = cookie.getValue();}

}}

out.println("<html>");

out.println("<head><title>User Information</title></head>");

out.println("<body>");

out.println("<h1>User Information:</h1>");

if (username != null) {

out.println("<p>Username: " + username + "</p>");

}

if (email != null) {

4

out.println("<p>Email: " + email + "</p>");

}

out.println("<form action=\"UserInformationServlet\" method=\"post\">");

out.println("Enter your information:<br>");

out.println("Username: <input type=\"text\" name=\"username\"><br>");

out.println("Email: <input type=\"text\" name=\"email\"><br>");
```

```java
out.println("<input type=\"submit\" value=\"Submit\">");

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

out.println("</body>");

out.println("</html>");

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

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

Cookie usernameCookie = new Cookie("username", username);

Cookie emailCookie = new Cookie("email", email);

usernameCookie.setPath("/");

emailCookie.setPath("/");

usernameCookie.setMaxAge(7 * 24 * 60 * 60); // 1 week

emailCookie.setMaxAge(7 * 24 * 60 * 60); // 1 week

response.addCookie(usernameCookie);

response.addCookie(emailCookie);

response.sendRedirect(request.getContextPath() + "/UserInformationServlet");

}}
```

User Information:

Username: ritesh

Email: riteshdoibale6@gmail.com

Enter your information:
Username: [   ]
Email: [   ]
[Submit]

2)

```java
import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/BrowserInfoServlet")

public class BrowserInfoServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String userAgent = request.getHeader("User-Agent");

out.println("<html>");

6

out.println("<head><title>Browser Information</title></head>");

out.println("<body>");

out.println("<h1>Browser Information:</h1>");

out.println("<p>User-Agent: " + userAgent + "</p>");

out.println("</body>");

out.println("</html>");

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
throws ServletException, IOException {

doGet(request, response);

}

}
```

Browser Information:

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36