

## Practical no:- 23

Program code:-

1)

```
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;

import javax.servlet.http.HttpSession;

@WebServlet("/SessionInfoServlet")

public class SessionInfoServlet extends HttpServlet {

    private static final long serialVersionUID = 1L;

    protected void doGet(HttpServletRequest request, HttpServletResponse

    response) throws ServletException, IOException {

        HttpSession session = request.getSession();

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

        out.println("<html><head><title>Session

        Information</title></head><body>");

        2

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

        out.println("<p>Session ID: " + session.getId() + "</p>");
```

```
out.println("<p>Session Creation Time: " + session.getCreationTime() +
"</p>");
out.println("</body></html>");
}
}
```

## Session Information

Session ID: 28C738ED522891E502252F9DEC6AC5AD

Session Creation Time: 1698336957483

Exercise:-

1)

```
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;
import javax.servlet.http.HttpSession;

@WebServlet("/SessionDetailsServlet")

public class SessionDetailsServlet 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();

HttpSession session = request.getSession();

session.setAttribute("username", "Ritesh");

session.setAttribute("userType", "admin");

String sessionId = session.getId();

long creationTime = session.getCreationTime();

long lastAccessedTime = session.getLastAccessedTime();

int maxInactiveInterval = session.getMaxInactiveInterval();

out.println("<html>");

out.println("<head><title>Session Details</title></head>");

4

out.println("<body>");

out.println("<h1>Session Details:</h1>");

out.println("<p>Session ID: " + sessionId + "</p>");

out.println("<p>Creation Time: " + new java.util.Date(creationTime) + "</p>");

out.println("<p>Last Accessed Time: " + new java.util.Date(lastAccessedTime) +

"</p>");

out.println("<p>Max Inactive Interval: " + maxInactiveInterval + " seconds</p>");

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

out.println("<p>User Type: " + session.getAttribute("userType") + "</p>");

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

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

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

```

```
throws ServletException, IOException {  
  
doGet(request, response);  
  
}  
  
}
```

## Session Details:

```
Session ID: 143B6393E6A5455066F63EC1B1F97B29  
Creation Time: Fri Oct 27 15:14:29 IST 2023  
Last Accessed Time: Fri Oct 27 15:14:29 IST 2023  
Max Inactive Interval: 1800 seconds  
Username: Ritesh  
User Type: admin
```

2)

```
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;  
  
import javax.servlet.http.HttpSession;  
  
@WebServlet("/SessionDetailsServlet2")  
  
public class SessionDetailsServlet2 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();
```

```

HttpSession session = request.getSession();

session.setAttribute("username", "Ritesh");

session.setAttribute("userType", "admin");

String sessionId = session.getId();

long creationTime = session.getCreationTime();

long lastAccessedTime = session.getLastAccessedTime();

int maxInactiveInterval = session.getMaxInactiveInterval();

out.println("<html>");

out.println("<head><title>Session Details</title></head>");

out.println("<body>");

out.println("<h1>Session Details:</h1>");

out.println("<p>Session ID: " + sessionId + "</p>");

6

out.println("<p>Creation Time: " + new java.util.Date(creationTime) + "</p>");

out.println("<p>Last Accessed Time: " + new java.util.Date(lastAccessedTime) +

"</p>");

out.println("<p>Max Inactive Interval: " + maxInactiveInterval + " seconds</p>");

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

out.println("<p>User Type: " + session.getAttribute("userType") + "</p>");

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

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

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

doGet(request, response);

```

}

}

## Session Details:

Session ID: BACAC7FD4A0461E615048716ECD39A23

Creation Time: Fri Oct 27 15:25:37 IST 2023

Last Accessed Time: Fri Oct 27 15:25:37 IST 2023

Max Inactive Interval: 1800 seconds

Username: Ritesh

User Type: admin