

UCS1601---INTERNET PROGRAMMING

NAME: S.Vyshali

ROLL NO: 185001202

CSE-C

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Write a servlet program to track multiple users. Set a time limit for a user's session. Compare the session id's before and after the session expiration.

INDEX.HTML:

```
<!DOCTYPE html>
<html>
<head>
<title>Session tracking</title>
<meta charset="utf-8">
</head>
<body>
<h2>Session tracking</h2>
<form method="post" action="http://localhost:8080/A4/trackSession">
Name:<input type="text" name="uname"/><br> <br>
<input type="submit" value="Click"/>
</form>
</body>
</html>
```

TRACKSESSION.JAVA:

```
import java.io.*;
import java.util.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;

public class trackSession extends HttpServlet
{
    public void doPost(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException
    {
        res.setContentType("text/html;");
    }
}
```

```

try
{
    int count;
    PrintWriter out = res.getWriter();
    HttpSession session = req.getSession();
    session.setMaxInactiveInterval(30); //time in sec

    if(session.getAttribute("count") != null)
    {
        count = (int)session.getAttribute("count");
    }
    else
    {
        count = 0;
    }
    count++;
    session.setAttribute("count", count);
    out.println("Session ID: "+session.getId()+"<br>");
    out.println("Count: "+count);
}
catch(Exception exp)
{
    System.out.println(exp);
}
}

```

WEB.XML:

```

<web-app>
<servlet>
<servlet-name>trackSession</servlet-name>
<servlet-class>trackSession</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>trackSession</servlet-name>
<url-pattern>/trackSession</url-pattern>

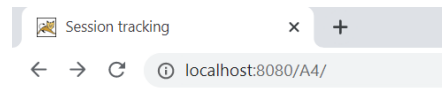
```

```
</servlet-mapping>
```

```
</web-app>
```

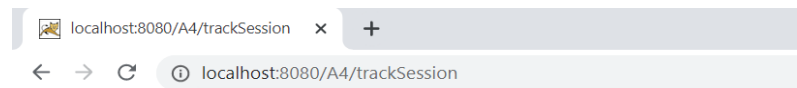
OUTPUT SCREENSHOTS:

Google:

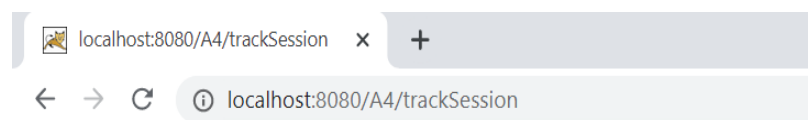


Session tracking

Name:

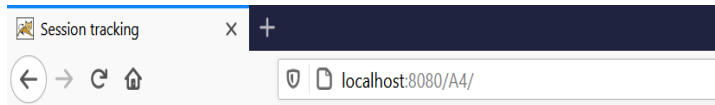


Session ID: 2A601B9FF6F2DD5B2CD05CA1EF40EFDA
Count: 1



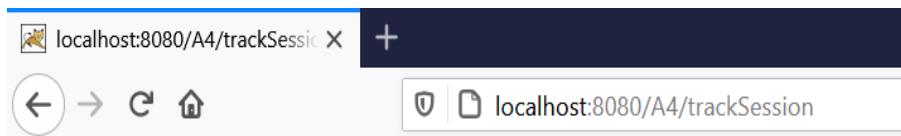
Session ID: 2A601B9FF6F2DD5B2CD05CA1EF40EFDA
Count: 2

Firefox:



Session tracking

Name:



Session ID: 2BDB4ADD78E459CD088E6787C3FFB0F3

Count: 1



Session ID: 2BDB4ADD78E459CD088E6787C3FFB0F3

Count: 2