

## Index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Simple Servlet Program</title>
  <meta charset="utf-8">
  <link rel="stylesheet" href="styles.css">
</head>

<body>
  <h1>Session Tracking using Servlets</h1>
  <hr><br>
  <form action="http://localhost:8080/A4/Session" method="GET">
    <input type="text" name="username">
    <br><br>
    <input type="submit" value="Start">
  </form>
</body>
</html>
```

## Styles.css

```
body{
  font-size: 12pt;
  font-family: 'Ubuntu', ;
}

h1{
  font-size: 50pt;
  text-align: center;
  color: red;
}

table, td, th, tr{
  border: 2px solid black;
  text-align: center;
  width: 75%;
  border-collapse: collapse;
}
```

## Web.xml

```

<web-app>
  <servlet>
    <servlet-name>Session</servlet-name>
    <servlet-class>Session</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>Session</servlet-name>
    <url-pattern>/Session</url-pattern>
  </servlet-mapping>

  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
  </welcome-file-list>
</web-app>

```

## Session.java

```

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

//Tomcat 10 or later: change imports from "javax.x" to "jakarta.x"

//Reference: https://www3.ntu.edu.sg/home/ehchua/programming/java/JavaServlets.html

public class Session extends HttpServlet{
    public void doGet(HttpServletRequest request, HttpServletResponse response
    )
        throws ServletException, IOException{
        response.setContentType("text/html;");
        try{
            int count;
            PrintWriter out = response.getWriter();
            HttpSession session = request.getSession();

            session.setMaxInactiveInterval(10);
            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);
        }
    }
}

```

```

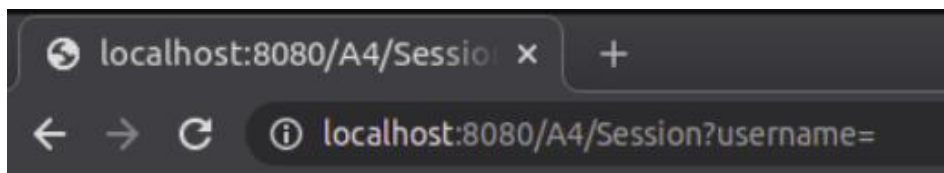
    }
    catch(Exception e){
        System.out.println(e);
    }
}
}

```

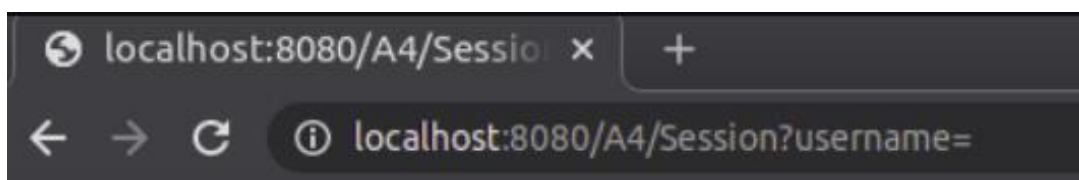
## OUTPUT SCREENSHOTS:



## Session Tracking using Servlets



Session ID: 4FB5B0D4962E38E5C9AD085FCBE0E99E  
Count: 1



Session ID: 4FB5B0D4962E38E5C9AD085FCBE0E99E  
Count: 2