

Date:

**AIM:**

To write a java program to invoke servlets from HTML form.

**PROCEDURE:*****client.html:***

- (1) Create a web page using HTML form that contains the fields such as text, password and one submit button.
- (2) Set the URL of the server as the value of form's action attribute.
- (3) Run the HTML program.
- (4) Submit the form data to the server.

***server.java:***

- (1) Define the class server that extends the property of the class HttpServlet
- (2) Handle the request from the client by using the method service() of HttpServlet class.
- (3) Get the parameter names from the HTML form by using the method getParameterNames().
- (4) Get the parameter values from the HTML forms by using the method getParameter().
- (5) Send the response to the client by using the method of PrintWriter class.

**PROGRAM:****MySrv.java:**

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class MySrv extends HttpServlet {

    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.01 Transitional//EN\">");
        out.println("<HTML>");
        out.println(" <HEAD><TITLE>A Servlet</TITLE></HEAD>");
        out.println(" <BODY>");

        //Getting HTML parameters from Servlet

        String username=request.getParameter("uname");
        String password=request.getParameter("pwd");
        if((username.equals("user")) && (password.equals("pswd")))
        {
            out.println(" <h1> Welcome to "+username);
        }
        else
        {
```

```

out.println(" <h1> Registration success ");
out.println(" <a href='./index.html'> Click for Home page </a>");
    }
    out.println(" </BODY>");
    out.println("</HTML>");
    out.close();
}

public void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
doPost( request,response);
}
}

```

### Registration.html:

```

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">

<HTML>
<HEAD>
<TITLE> New Document </TITLE>
<META NAME="Generator" CONTENT="EditPlus">
<META NAME="Author" CONTENT="">
<META NAME="Keywords" CONTENT="">
<META NAME="Description" CONTENT="">
</HEAD>

<BODY bgcolor='#e600e6'>
<form action='./MySrv' method="post">
<center> <h1> <u> Login Page </u></h1>
<h2> Username : <input type="text"    name="uname"/>
        Password : <input type="password"
        name="pwd"/>
        <input type="submit"    value="click me"/>
</center>
</form>
</body>
</HTML>

```

### web.xml:

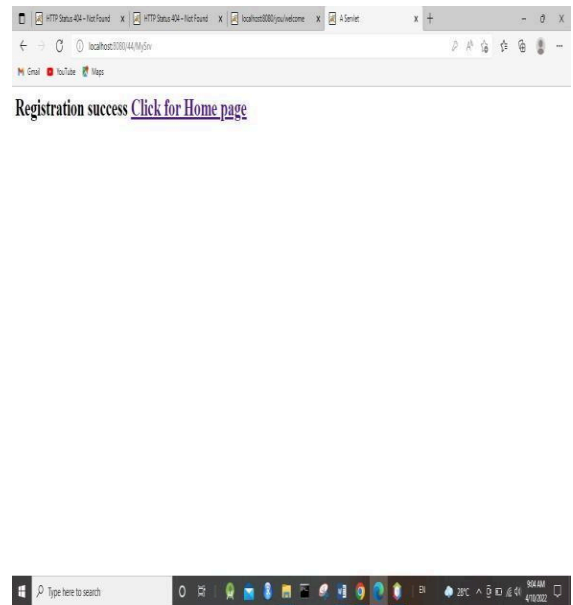
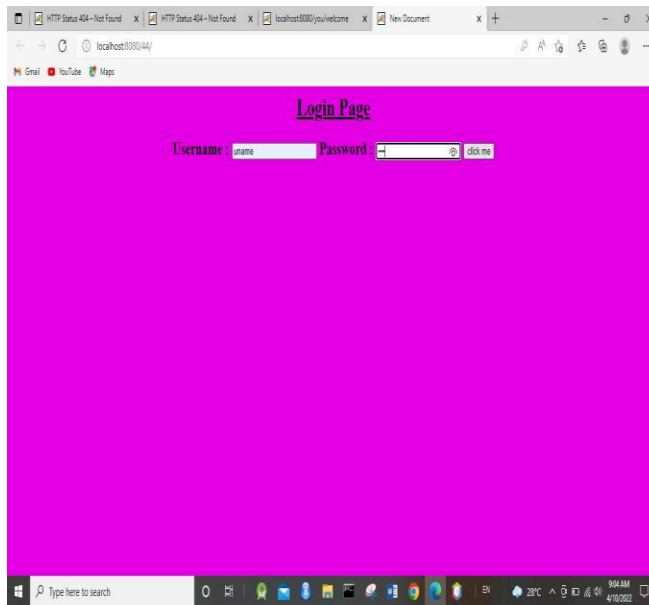
```

<web-app>
<servlet>
    <servlet-name>MySrv</servlet-name>
    <servlet-class>MySrv</servlet-class>
</servlet>
<servlet-mapping>
    <servlet-name>MySrv</servlet-name>
    <url-pattern>/MySrv</url-pattern>
</servlet-mapping>
<welcome-file-list>
    <welcome-file>index.html</welcome-file>
</welcome-file-list>

```

</web-app>

## OUTPUT:



## RESULT:

Thus the java program to invoke servlets from HTML form has been executed successfully.

Date:

**AIM:**

To write a Java Program for Session tracking a hit count. This servlet uses session tracking to count the number of times a client has accessed it.

**PROCEDURE:**

1. Get the current session object, create one if necessary
2. Increment the hit count for this page. The value is saved in this client's session under the name "tracker.count".
3. Display the hit count for this page

**PROGRAM:****PageHitCounter.java**

```
import java.io.*;
import java.sql.Date;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
```

```
public class PageHitCounter extends HttpServlet {
```

```
    private int hitCount;
```

```
    public void init() {
        // Reset hit counter.
        hitCount = 0;
    }
```

```
    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
```

```
        // Set response content type
        response.setContentType("text/html");
```

```
        // This method executes whenever the servlet is hit
        // increment hitCount
        hitCount++;
```

```
        PrintWriter out = response.getWriter();
```

```
        String title = "Total Number of Hits";
```

```
        String docType = "<!doctype html public \"-//w3c//dtd html 4.0 \" + \"transitional//en\">\n";
```

```
        out.println(docType +
```

```
            "<html>\n" +
```

```
            "<head><title>" + title + "</title></head>\n" +
```

```
            "<body bgcolor = \"#f0f0f0\">\n" +
```

```
            "<h1 align = \"center\">" + title + "</h1>\n" +
```

```
            "<h2 align = \"center\">" + hitCount + "</h2>\n"
```

```
            +
```

```
            "</body>
```

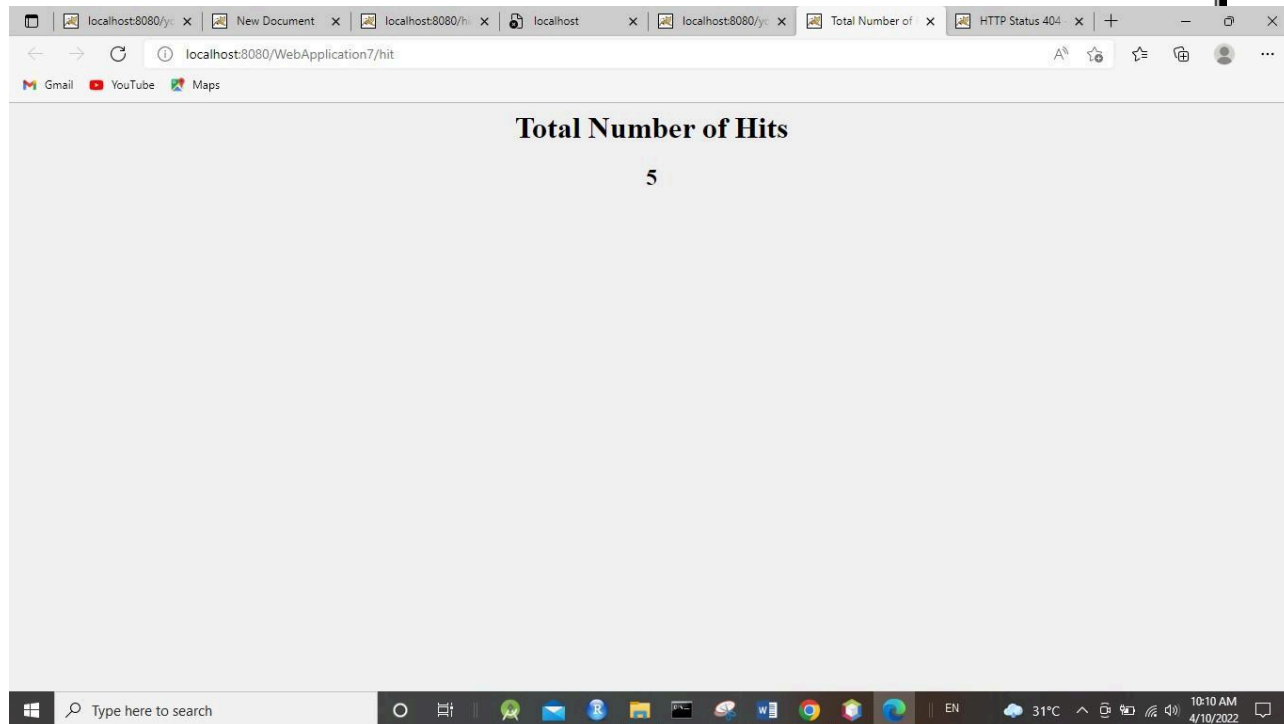
```
        </html>")
```

```
    );  
}  
  
public void destroy() {  
    // This is optional step but if you like you  
    // can write hitCount value in your database.  
}  
}
```

## Web.xml

```
<servlet>  
    <servlet-name>PageHitCounter</servlet-name>  
    <servlet-class>PageHitCounter</servlet-class>  
</servlet>  
  
<servlet-mapping>  
    <servlet-name>PageHitCounter</servlet-name>  
    <url-pattern>/PageHitCounter</url-pattern>  
</servlet-mapping>
```

## OUTPUT:



**RESULT:**

Thus the Java program for session tracking a hit count has been executed successfully.