Servlet Programming

index.html

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Synonym founder</**title**>

</**head**>

<**body**>

<**h6**>Enter he word you want</**h6**>

<**form** action=*"meaning"*>

<**input** type=*"text"* name=*"mean"*>

<**input** type=*"submit"* value=*"find mean"*>

</**form**>

</**body**>

</**html**>

Web.xml

<?**xml** version=*"1.0"* encoding=*"UTF-8"*?>

<**web-app** xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://xmlns.jcp.org/xml/ns/javaee"* xsi:schemaLocation=*"http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd"* id=*"WebApp\_ID"* version=*"4.0"*>

<**servlet**>

<**servlet-name**>abc</**servlet-name**>

<**servlet-class**>com.meaning.SR</**servlet-class**>

</**servlet**>

<**servlet-mapping**>

<**servlet-name**>abc</**servlet-name**>

<**url-pattern**>/meaning</**url-pattern**>

</**servlet-mapping**>

</**web-app**>

SR.java

package com.meaning;

import java.io.IOException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

public class SR extends HttpServlet {

public void service(HttpServletRequest req,HttpServletResponse res) throws IOException {

String word = req.getParameter("mean");

System.***out***.println(word);

res.sendRedirect("https://www.dictionary.com/browse/"+word+"?s=t");

}

}

Output:

Graphical user interface, text, application

Description automatically generated

A screenshot of a computer screen

Description automatically generated

2.HitCounter

package com.hitcounter;

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(

"<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

<?**xml** version=*"1.0"* encoding=*"UTF-8"*?>

<**web-app** xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://xmlns.jcp.org/xml/ns/javaee"* xsi:schemaLocation=*"http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd"* id=*"WebApp\_ID"* version=*"4.0"*>

<**servlet**>

<**servlet-name**>PageHitCounter</**servlet-name**>

<**servlet-class**>com.hitcounter.PageHitCounter</**servlet-class**>

</**servlet**>

<**servlet-mapping**>

<**servlet-name**>PageHitCounter</**servlet-name**>

<**url-pattern**>/PageHitCounter</**url-pattern**>

</**servlet-mapping**>

</**web-app**>

Output:

Graphical user interface, text, application, Word

Description automatically generatedGraphical user interface, text, application, Word

Description automatically generated