How to generate dynamic HTML page

Server generated HTML file is called Dynamic HTML file. In our case, servlet generates the HTML and sends that as a response to the client.

Include every HTML tag inside pw.println() method

Example:

pw.println("<html>");

pw.println("<head></head>");

pw.println("<body>");

pw.println("<p> Welcome to SSSIT A Visionary with more than 16 years of Experience in the IT Industry, Mr.V.Ramesh is at the helm of affairs at SSSIT, Steering it towards Excellence. SSSIT Founded in 1999 and operating for over of 15 years SSSIT has worked steadily to achieve excellence in Computer Education and Training, Software Development, Corporative Training and Consultancy. Working on several software development projects for both domestic and global markets and Engineering Academic Projects SSSIT is today a name to reckon with based in Hyderabad, India.</p>");

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

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

How to place an Image in Servlet?

Copy all the images to web content folder and use the below code

pw.println("<img src=a1.gif alt=NA height=150 width=150/>");

pw.println("<img src=a2.gif alt=NA height=150 width=150/>");

pw.println("<img src=a3.gif alt=NA height=150 width=150/>");

package com.sssit.webapp.servlets;

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;

/\*\*

\* Servlet implementation class AboutPage

\*/

public class AboutPage extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public AboutPage() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter pw = response.getWriter();

pw.println("<img src=a1.gif alt=NA height=150 width=150/>");

pw.println("<img src=a2.gif alt=NA height=150 width=150/>");

pw.println("<img src=a3.gif alt=NA height=150 width=150/>");

}

}

**package** com.sssit.webapp.servlets;

**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;

/\*\*

\* Servlet implementation class BatchInfo

\*/

**public** **class** BatchInfo **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** BatchInfo() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** service(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter pw = response.getWriter();

response.setContentType("text/html");

pw.println("<table border=3>");

pw.println("<tr>");

pw.println("<td> C Language </td>");

pw.println("<td> 7 to 8 </td>");

pw.println("</tr>");

pw.println("<tr>");

pw.println("<td> CPP Language </td>");

pw.println("<td> 8 to 9 </td>");

pw.println("</tr>");

pw.println("<tr>");

pw.println("<td> Core Java</td>");

pw.println("<td> 7 to 8 </td>");

pw.println("</tr>");

pw.println("<tr>");

pw.println("<td> Oracle</td>");

pw.println("<td> 7 to 8 </td>");

pw.println("</tr>");

pw.println("</table>");

}

}

package com.sssit.webapp.servlets;

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;

/\*\*

\* Servlet implementation class CoursePage

\*/

public class CoursePage extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public CoursePage() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

PrintWriter pw = response.getWriter();

response.setContentType("text/html");;

pw.println("<ol>");

pw.println("<li> C Language </li>");

pw.println("<li> CPP Language </li>");

pw.println("<li> Core Java </li>");

pw.println("<li> Advanced Java </li>");

pw.println("<li> Oracle </li>");

pw.println("</ol>");

}

}

package com.sssit.webapp.servlets;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.GenericServlet;

import javax.servlet.Servlet;

import javax.servlet.ServletException;

import javax.servlet.ServletRequest;

import javax.servlet.ServletResponse;

/\*\*

\* Servlet implementation class HomePageServlet

\*/

public class HomePageServlet extends GenericServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see GenericServlet#GenericServlet()

\*/

public HomePageServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see Servlet#service(ServletRequest request, ServletResponse response)

\*/

public void service(ServletRequest request, ServletResponse response) throws ServletException, IOException {

PrintWriter pw = response.getWriter();

pw.println("<html>");

pw.println("<head></head>");

pw.println("<body>");

pw.println("<p> Welcome to SSSIT A Visionary with more than 16 years of Experience in the IT "

+ "Industry, Mr.V.Ramesh is at the helm of affairs at SSSIT, Steering it towards Excellence. "

+ "SSSIT Founded in 1999 and operating for over of 15 years SSSIT has worked steadily to achieve "

+ "excellence in Computer Education and Training, "

+ "Software Development, Corporative Training and Consultancy. Working on several software development "

+ "projects for both domestic and global markets and Engineering Academic Projects"

+ " SSSIT is today a name to reckon with based in Hyderabad, India.</p>");

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

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

}

}

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

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"* id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>SSSITWebApp</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.htm</welcome-file>

<welcome-file>default.jsp</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>HomePageServlet</display-name>

<servlet-name>HomePageServlet</servlet-name>

<servlet-class>com.sssit.webapp.servlets.HomePageServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>HomePageServlet</servlet-name>

<url-pattern>/home</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>AboutPage</display-name>

<servlet-name>AboutPage</servlet-name>

<servlet-class>com.sssit.webapp.servlets.AboutPage</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>AboutPage</servlet-name>

<url-pattern>/about</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>CoursePage</display-name>

<servlet-name>CoursePage</servlet-name>

<servlet-class>com.sssit.webapp.servlets.CoursePage</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>CoursePage</servlet-name>

<url-pattern>/course</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>BatchInfo</display-name>

<servlet-name>BatchInfo</servlet-name>

<servlet-class>com.sssit.webapp.servlets.BatchInfo</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>BatchInfo</servlet-name>

<url-pattern>/batch</url-pattern>

</servlet-mapping>

</web-app>