

## PAGE COUNTER-USING SERVLET

### index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome to the Art Tools Gallery</title>
  <style>
    body {
      background-image: url(art-bg.jpg);
      background-size: cover;
      font-family: 'Georgia', serif;
      color: #333;
      margin: 0;
      padding: 0;
    }
    .container {
      text-align: center;
      padding: 50px;
    }
    .title {
      font-size: 2.5em;
      color: #2c3e50;
      margin-bottom: 20px;
    }
    .link-button {
      display: inline-block;
      padding: 15px 25px;
      font-size: 1.2em;
      color: #fff;
      background-color: #9b59b6;
      text-decoration: none;
      border-radius: 5px;
      margin-top: 20px;
    }
    .link-button:hover {
      background-color: #8e44ad;
    }
    .image {
      width: 100%;
      max-width: 600px;
      height: auto;
      margin-top: 30px;
    }
```

```

    }
</style>
</head>
<body>
    <div class="container">
        <div class="title">Welcome to the Art Tools Gallery!</div>
        <a href="pageCounter" class="link-button">See Visit Count</a>
    </div>
</body>
</html>

```

### PageCounterServlet.java

```

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.ServletContext;
import java.io.IOException;
import java.io.PrintWriter;

@WebServlet("/pageCounter")
public class PageCounterServlet extends HttpServlet {

    @Override
    public void init() throws ServletException {
        ServletContext context = getServletContext();
        if (context.getAttribute("visitCount") == null) {
            context.setAttribute("visitCount", 0);
        }
    }

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        ServletContext context = getServletContext();
        Integer visitCount = (Integer) context.getAttribute("visitCount");
        visitCount++;
        context.setAttribute("visitCount", visitCount);

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        out.println("<html><body>");
    }
}

```

```
        out.println("<h1>Art Tools Gallery</h1>");
        out.println("<p>Number of visits: " + visitCount + "</p>");
        out.println("</body></html>");
    }
}
```

### **Web.xml**

```
<web-app>
  <servlet>
    <servlet-name>PageCounterServlet</servlet-name>
    <servlet-class>PageCounterServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>PageCounterServlet</servlet-name>
    <url-pattern>/pageCounter</url-pattern>
  </servlet-mapping>
</web-app>
```