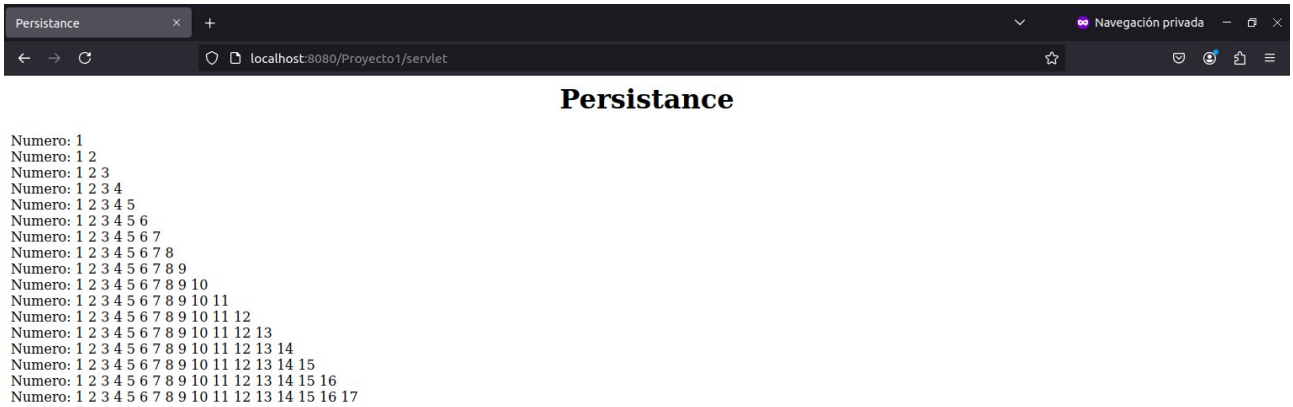
Persistance



My code:

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

public class MiServlet extends HttpServlet {

    // Override the doGet method to handle GET requests
    public void doGet(HttpServletRequest peticion, HttpServletResponse respuesta) throws ServletException, IOException {

        // Set the content type to HTML for the response
        respuesta.setContentType("text/html");

        // Get the PrintWriter object to send the response
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PrintWriter salida = respuesta.getWriter();

// Set the title of the webpage
String titulo = "Persistance";

// Print the beginning of the HTML page
salida.println("<TITLE>" + titulo + "</TITLE>\n<BODY>");
salida.println("<H1 ALIGN=CENTER>" + titulo + "</H1>\n\n");

// Retrieve the session associated with the current request
HttpSession session = peticion.getSession(true);

// Get the array of strings from the session (this will store the sequences of numbers)
String[] contadorArray = (String[]) session.getAttribute("contadorArray");

// If no array exists (first visit), initialize it as an empty array
if (contadorArray == null) {
    contadorArray = new String[1];
    contadorArray[0] = "Numero: 1"; // First string with "Numero: 1"
} else {
    // If the array exists, create a new larger array to accommodate the new sequence
    String[] newArray = new String[contadorArray.length + 1];
    System.arraycopy(contadorArray, 0, newArray, 0, contadorArray.length);

    // Generate the next sequence to add to the array
    int nextNumber = contadorArray.length + 1;
    StringBuilder newSequence = new StringBuilder("Numero: ");
    for (int i = 1; i <= nextNumber; i++) {
        newSequence.append(i).append(" ");
```

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            }
            newArray[contadorArray.length] = newSequence.toString().trim();

            // Update the array in the session
            contadorArray = newArray;
        }

        // Store the updated array back into the session
        session.setAttribute("contadorArray", contadorArray);

        // Display the full array of sequences
        for (String sequence : contadorArray) {
            salida.println(sequence + "<br>");
        }

        // Close the HTML tags
        salida.println("</BODY></HTML>");
    }
}
```