TECNOLOGÍA EMERGENTES II

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PRACTICA N° 1 SERVLETS

```java
package com.emergentes;

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

```java
@WebServlet(name = "RespHTML", urlPatterns = {"/RespHTML"})
public class RespHTML extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("text/HTML");
        PrintWriter out = response.getWriter();
        try{
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Respusta HTML</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h1>HTML generando desde un Servlet </h1>");
            out.println("</body>");
            out.println("</html>");
        }finally {
            out.close();
        }
    }
}
```

```java
package com.emergentes;

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


@WebServlet(name = "RespXLS", urlPatterns = {"/RespXLS"})
public class RespXLS extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("application/vn.ms-excel");
        response.setHeader("Content-Disposition", "attachment;filename=archivo.xls");
        PrintWriter out = response.getWriter();

        try{
            out.println("Respuesta generada desde excel");
            out.println("100");
            out.println("200");
            out.println("La suma es:\t");
            out.println("=suma(a2:a3)");
        }finally {
            out.close();
        }
    }
}
```

```java
package com.emergentes;

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


@WebServlet(name = "RespXML", urlPatterns = {"/RespXML"})
public class RespXML extends HttpServlet {


    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        PrintWriter out = response.getWriter();
        try{
            out.println("<?xml version=\"1.0\" encoding=\"UTF-8\"?>");
            out.println("<CATALOGO>");
            out.println("<CD>");
            out.println("<TITULO>tinta roja </TITULO>");
            out.println("<ARTISTA>Andres Calamargo</ARTISTA>");
            out.println("<ORIGEN>AR</ORIGEN>");
            out.println("<PREIOS>5.90</PREIOS>");
            out.println("<ANO>2006</ANO>");
            out.println("</CD>");
            out.println("<CD>");
            out.println("<TITULO>la lengua popular</TITULO>");
            out.println("<ARTISTA>Andres Calamargo</ARTISTA>");
            out.println("<ORIGEN>AR</ORIGEN>");
            out.println("<PREIOS>9.90</PREIOS>");
            out.println("<ANO>2007</ANO>");
            out.println("</CD>");
            out.println("</CATALOGO>");
            }finally {
            out.close();
        }
    }
}
```

```java
package com.emergentes;

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


@WebServlet(name = "RespJSON", urlPatterns = {"/RespJSON"})
public class RespJSON extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("application/json");
        PrintWriter out = response.getWriter();
        try{
        out.print("{\"empleados\":[");
        out.print("{\"nombre\":\"Bruno\",\"apellidos\":\"Diaz\"},");
        out.print("{\"nombre\":\"Juan Jose\",\"apellidos\":\"Paredes\"},");
        out.print("{\"nombre\":\"Dolores\",\"apellidos\":\"Fuertes\"}");
        out.print("]}");
        }finally {
    out.close();
    }

    }

}
```
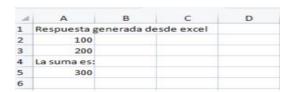
```java
package com.emergentes;

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


@WebServlet(name = "RespCSV", urlPatterns = {"/RespCSV"})
public class RespCSV extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("application/cvs");
        response.setHeader("Content-Disposition", "attachment;filename=archivo.cvs");
        PrintWriter out = response.getWriter();
        try{
            out.println("id;tnombre;apellidos;edad");
            out.println("1;Juan;Pinto;21");
            out.println("2;Bruno;Diaz;18");
            out.println("3;Armando;Mesa");
        }finally {
        out.close();
        }
    }

}
```

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body>
        <h1>Paquetes usando cabezera en Servlet</h1>
        <ul>
            <li> <a href="RespHTML">Delover un HTML</a></li>
            <li> <a href="RespXLS">Delover un XLS</a></li>
            <li> <a href="RespXML">Delover un XML</a></li>
            <li> <a href="RespJSON">Delover un JSON</a></li>
            <li> <a href="RespCSV">Delover un CVS</a></li>

        </ul>
    </body>
</html>
```

Paquetes usando cabezera en Servlet

- Delover un HTML
- Delover un XLS
- Delover un XML
- Delover un JSON
- Delover un CVS

HTML generando desde un Servlet

	A	B	C	D
1	Respuesta generada desde excel			
2	100			
3	200			
4	La suma es:			
5	300			
6				

← → C ⓘ localhost:8080/TE_cabeceras/

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Respuesta usando cabeceras de Servlet

- Devolver un HTML
- Devolver un XLS
- Devolver un XML
- Devolver un JSON
- Deolver un CSV

Texto:

Enviar Datos