# JSP

**Acceso a datos - MVC**

# Java Server Pages

```html
<html>
    <head>
        <title>JSP</title>
    </head>
    <body>
        <%
            out.println("JSP");
        %>
    </body>
</html>
```

# SCRIPTLETS Y EXPRESIONES

codigo HTML

**<% scriptlet %>**

codigo HTML


codigo HTML

**<%= expresion_java%>**

codigo HTML

# OBJETOS ESPECIALES

- request: **request,getParameter(…);**
- response:
  - **getServletContext().getRequestDispatcher( "/destinolocal").forward(request,response);**
  - **response.sendRedirect("http://destino");**
- out: **out.println(…);**
- session:
  - **void session.setAttribute(String, Object);**
  - **Object session.getAttribute(String);**
- application
- exception
  - **<%@ page errorPage="paginaerrores.jsp" %>**
  - **<%@ page isErrorPage="true" %>**

# UTF-8

- `<meta http-equiv="content-type" content="text/html charset=utf">`

- `<%@page contentType="text/html; charset=UTF-8"%>`

- `<%@page pageEncoding="UTF-8"%>`

- create database nombreBD default character set utf8 collate utf8_unicode_ci;

- Servidor tomcat: server.xml:

  `<Connector` **`URIEncoding="utf-8"`** `port="8084" redirectPort="8443" … />`

# UTF-8 PARA COMUNICACIONES POST: FILTRO

```java
import java.io.*;
import javax.servlet.*;
public class FiltroUTF8 implements Filter {
    private String codificacion;
    public void init(FilterConfig configFiltro) throws ServletException{
        codificacion = configFiltro.getInitParameter("requestEncoding");
        if(codificacion==null)
            codificacion = "UTF-8";
    }
    public void doFilter( ServletRequest pet, ServletResponse res,
                          FilterChain fc) throws IOException, ServletException {
        pet.setCharacterEncoding(codificacion);
        fc.doFilter(pet,res);
    }
    public void destroy() {}
}
```

# UTF-8 PARA COMUNICACIONES POST: WEB.XML

```xml
<filter>
    <filter-name>Filtro</filter-name>
    <filter-class>paquete.FiltroUTF8</filter-class>
    <init-param>
        <param-name>requestEncoding</param-name>
        <param-value>UTF-8</param-value>
    </init-param>
</filter>
<filter-mapping>
    <filter-name>Filtro</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>
```