



JUNTA DE ANDALUCÍA

IES Gran Capitán
Módulo: Desarrollo Web en entorno
cliente

Ciclo Formativo de Grado Superior “Desarrollo de aplicaciones
Web”



Tarea 1.1 Hola mundo

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Tarea 1.1. Hola mundo

Implementa los ejemplos propuestos en el apartado 1.4 del tema y pruébalo con las distintos navegadores web (Chrome, Edge, Firefox....)

Utiliza al menos tres entornos de desarrollo: Sublime, Visual Studio Code, Aptana, Atom...

Realiza un tutorial por cada uno de los editores donde aparezca:

1. Instalaciones necesarias para reconocimiento de código html y javascript
2. Atajos en ambos lenguajes. (mínimo de 5)

En los tres navegadores indica:

1. Teclas de acceso rápido que muestren las herramientas de desarrollo.
2. Acceso a la consola
3. Acceso a los ficheros (mensaje.js en nuestro caso)
4. Reglas CSS
5. Depurador

1. Ejemplos apartado 1.4

En la siguiente documentación, a continuación se muestra el resultado de los diferentes ejemplos correspondientes al apartado 1.4, en diversos editores y navegadores. Para los editores, el sistema operativo empleado es Linux Mint 18.3, y para los navegadores el mismo, con la salvedad de Edge, presente en Windows 10. Se puede comprobar al disponer de un dual boot en la instalación de ambos sistemas.

Los ejemplos, tal y como quedan en su codificación, son:

Prueba 1.html (código embebido)

Visualizado en Sublime Text 3.1.1 Build 3176

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4
5 <head>
6   <meta charset="UTF-8">
7   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
8   <title>Ejemplo 1</title>
9   <script type="text/javascript">
10    alert("Prueba de Javascript");
11   </script>
12 </head>
13
14 <body>
15   <h1>Ejemplol: código embebido</h1>
16 </body>
17
18 </html>
```

Visualizado en Visual Studio Code 1.27.2

The screenshot shows the Visual Studio Code interface with a dark theme. The title bar reads "Prueba 1.html - Visual Studio Code". The menu bar includes Archivo, Editar, Selección, Ver, Ir, Depurar, Terminal, and Ayuda. The left sidebar has icons for file operations like Open, Save, Find, and Delete. The main editor area contains the following HTML code:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
    <title>Ejemplo 1</title>
    <script type="text/javascript">
        alert("Prueba de Javascript");
    </script>
</head>

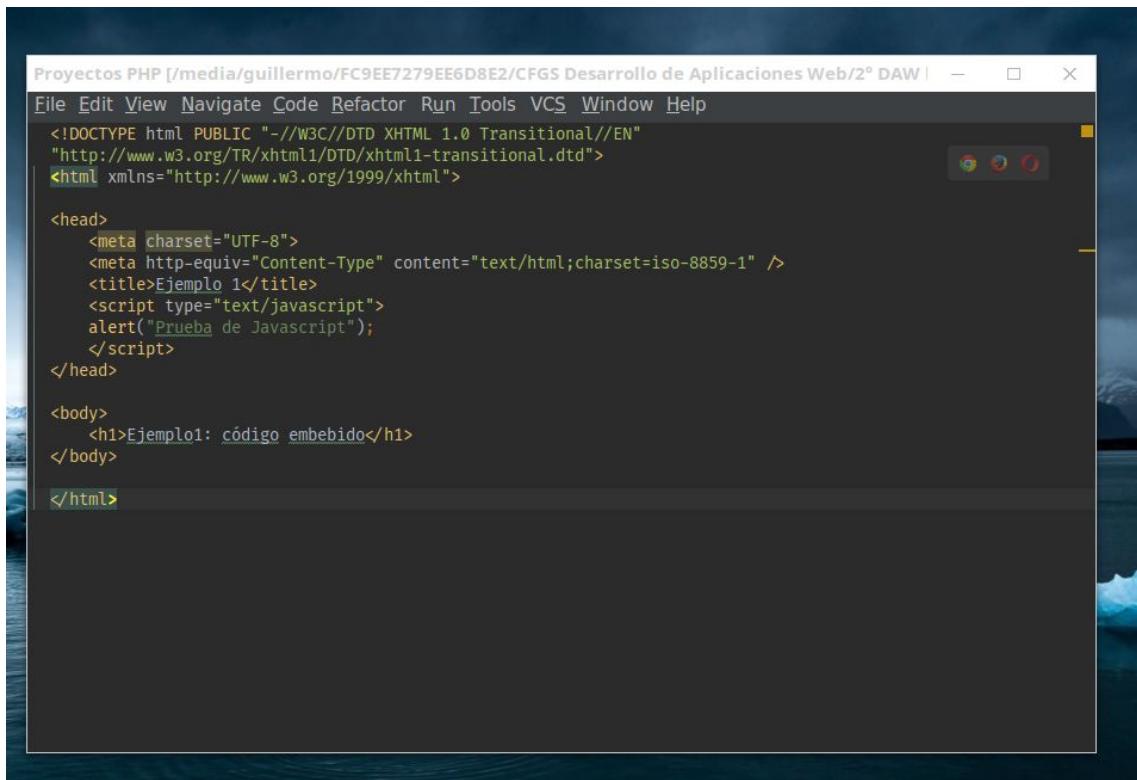
<body>
    <h1>Ejemplo1: código embebido</h1>
</body>
</html>
```

The status bar at the bottom shows "Líne. 1, Col. 1 Espacios: 4 UTF-8 LF HTML".

Visualizado en Atom 1.30.0 x64

The screenshot shows the Atom text editor interface with a dark theme. The title bar reads "Prueba 1.html — ~/Escritorio/CFGS Desarrollo de Aplicaciones Web/2º DAW bis/DWECl". The menu bar includes File, Edit, View, Selection, Find, Packages, and Help. The main editor area contains the same HTML code as the VS Code screenshot. The status bar at the bottom shows "Prueba 1.html 17:1 LF UTF-8 HTML 0 files".

Visualizado en PhpStorm 2018 2.3



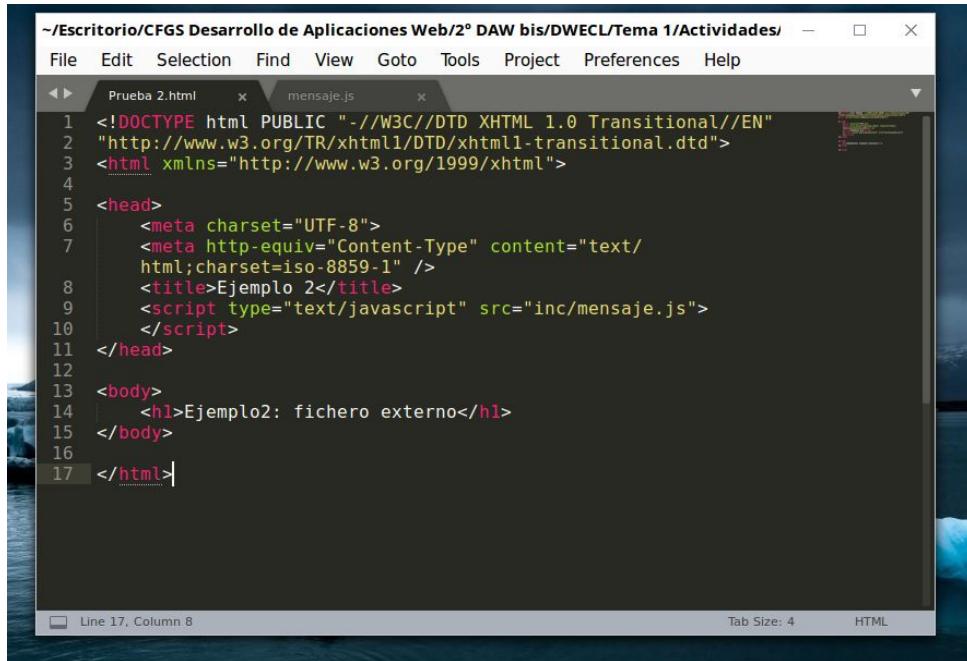
The screenshot shows the PhpStorm 2018 2.3 IDE interface. The title bar reads "Proyectos PHP [/media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones Web/2º DAW]". The menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. Below the menu is a toolbar with three browser icons. The main editor window displays the following HTML code:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta charset="UTF-8">
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Ejemplo 1</title>
<script type="text/javascript">
alert("Prueba de Javascript");
</script>
</head>
<body>
<h1>Ejemplo1: código embebido</h1>
</body>
</html>
```

Prueba 2.html (fichero externo) y mensaje.js

Visualizado en Sublime Text 3.1.1 Build 3176

HTML



The screenshot shows the Sublime Text interface with two tabs open: "Prueba 2.html" and "mensaje.js". The "Prueba 2.html" tab contains the following code:

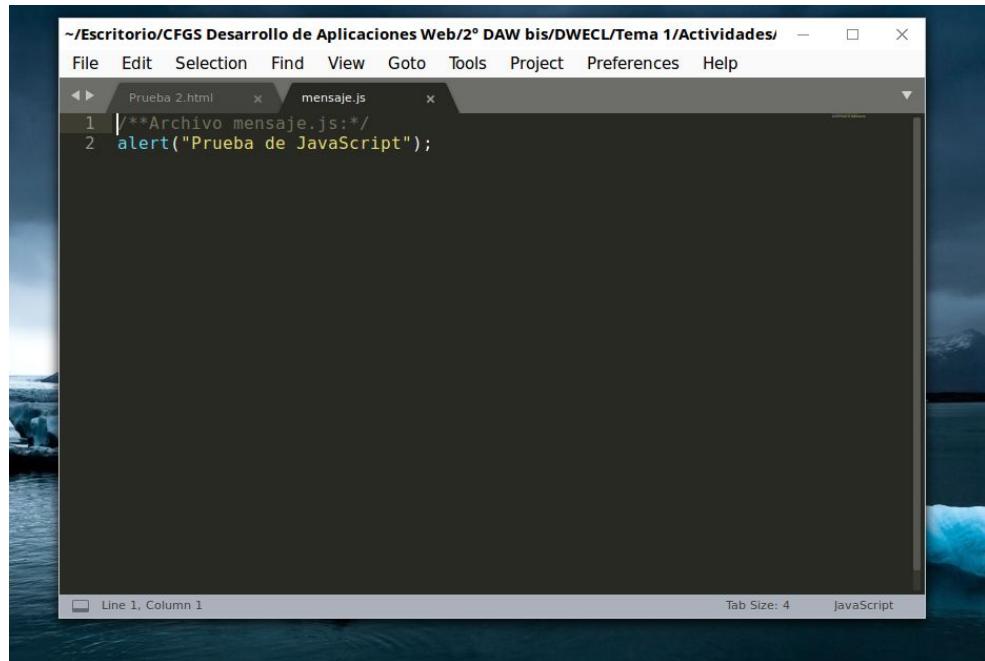
```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
    <title>Ejemplo 2</title>
    <script type="text/javascript" src="inc/mensaje.js">
</script>
</head>
<body>
    <h1>Ejemplo2: fichero externo</h1>
</body>
</html>
```

The "mensaje.js" tab contains the following code:

```
/**Archivo mensaje.js*/
alert("Prueba de JavaScript");
```

At the bottom of the window, it says "Line 17, Column 8" and "Tab Size: 4".

JS



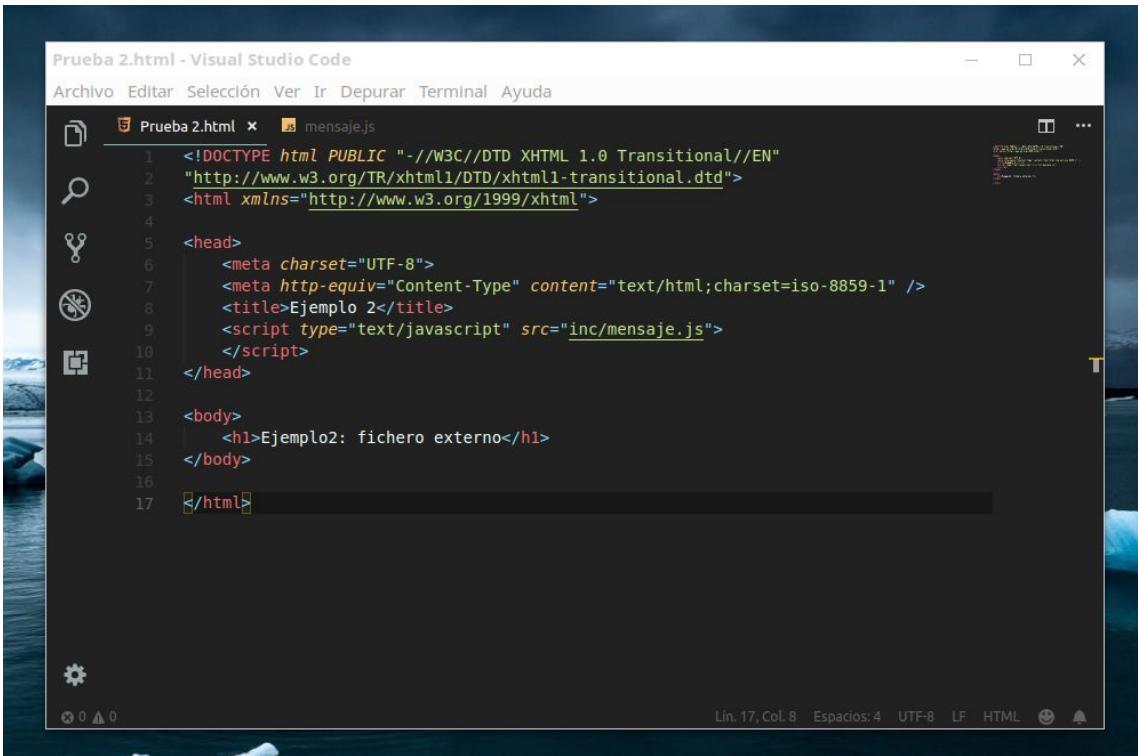
The screenshot shows the Sublime Text interface with two tabs open: "Prueba 2.html" and "mensaje.js". The "mensaje.js" tab contains the following code:

```
/**Archivo mensaje.js*/
alert("Prueba de JavaScript");
```

At the bottom of the window, it says "Line 1, Column 1" and "Tab Size: 4".

Visualizado en Visual Studio Code 1.27.2

HTML



Prueba 2.html - Visual Studio Code

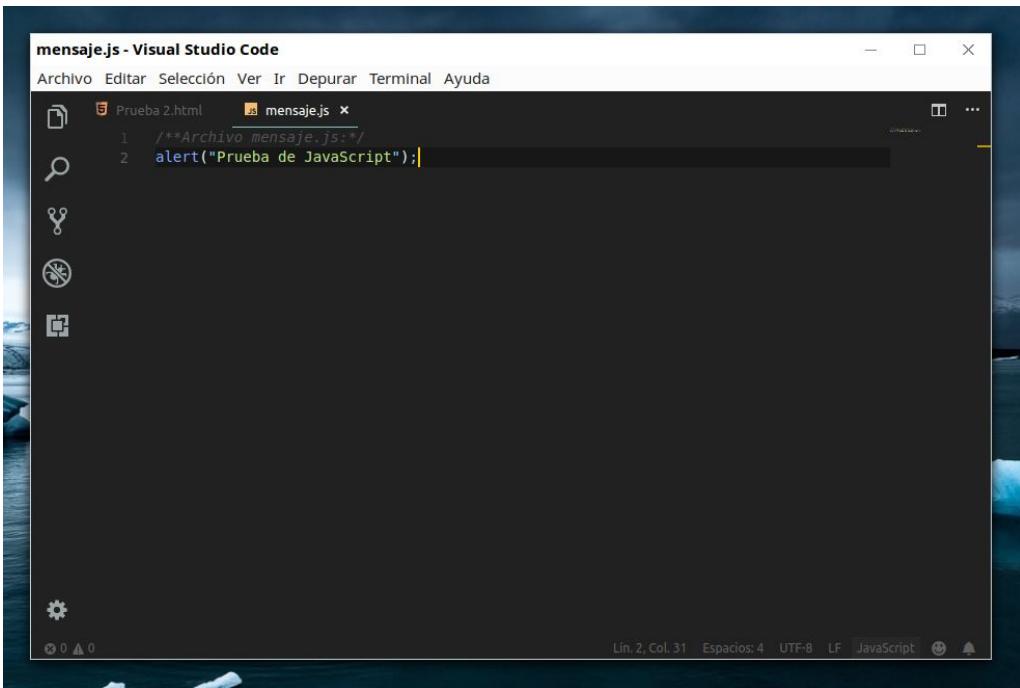
Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

Prueba 2.html x mensaje.js

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4
5 <head>
6     <meta charset="UTF-8">
7     <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
8     <title>Ejemplo 2</title>
9     <script type="text/javascript" src="inc/mensaje.js">
10    </script>
11 </head>
12
13 <body>
14     <h1>Ejemplo2: fichero externo</h1>
15 </body>
16
17 </html>
```

Lín. 17, Col. 8 Espacios: 4 UTF-8 LF HTML

JS



mensaje.js - Visual Studio Code

Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

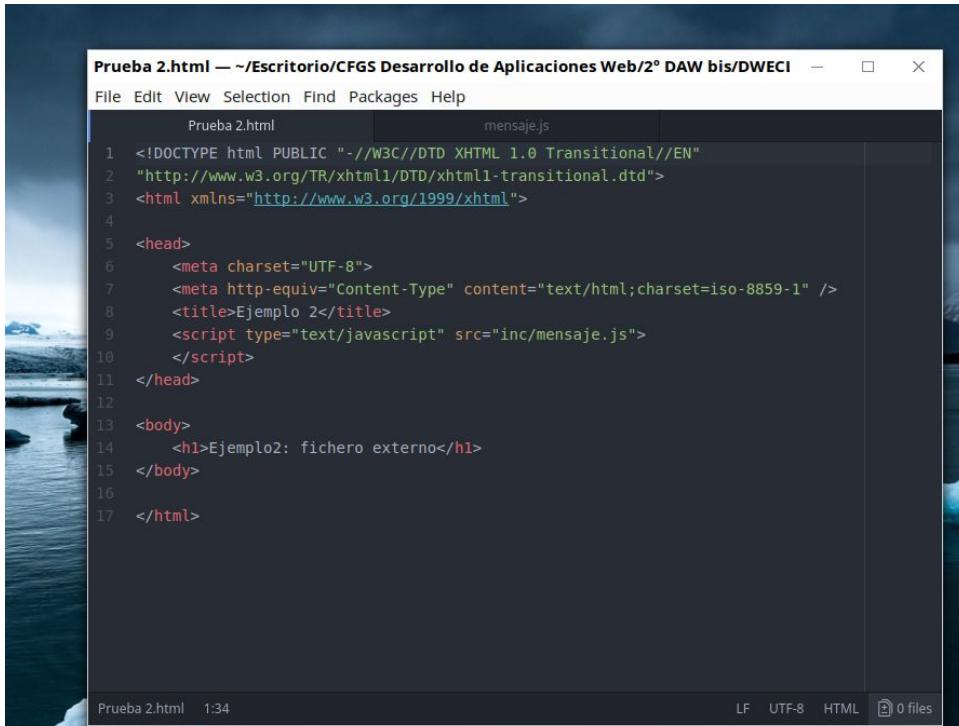
Prueba 2.html x mensaje.js

```
1 //**Archivo mensaje.js*/
2 alert("Prueba de JavaScript");
```

Lín. 2, Col. 31 Espacios: 4 UTF-8 LF JavaScript

Visualizado en Atom 1.30.0 x64

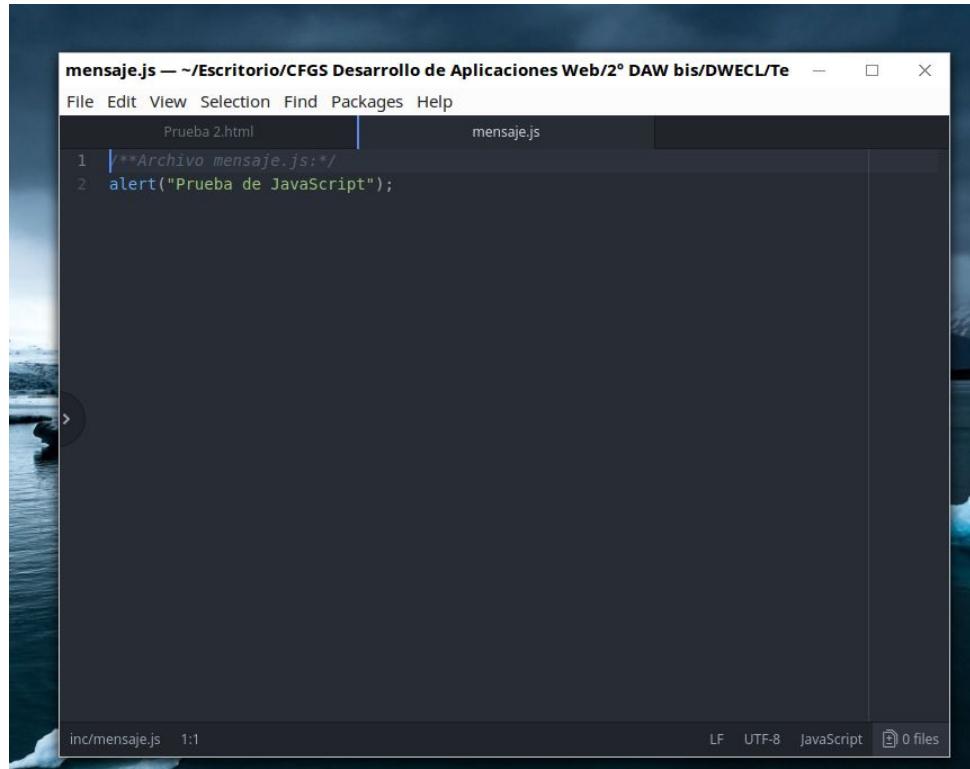
HTML



```
Prueba 2.html — ~/Escritorio/CFGSS Desarrollo de Aplicaciones Web/2º DAW bis/DWECL — □ ×
File Edit View Selection Find Packages Help
Prueba 2.html mensajes.js
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4
5 <head>
6     <meta charset="UTF-8">
7     <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
8     <title>Ejemplo 2</title>
9     <script type="text/javascript" src="inc/mensaje.js">
10    </script>
11 </head>
12
13 <body>
14     <h1>Ejemplo2: fichero externo</h1>
15 </body>
16
17 </html>
```

Prueba 2.html 1:34 LF UTF-8 HTML 0 files

JS

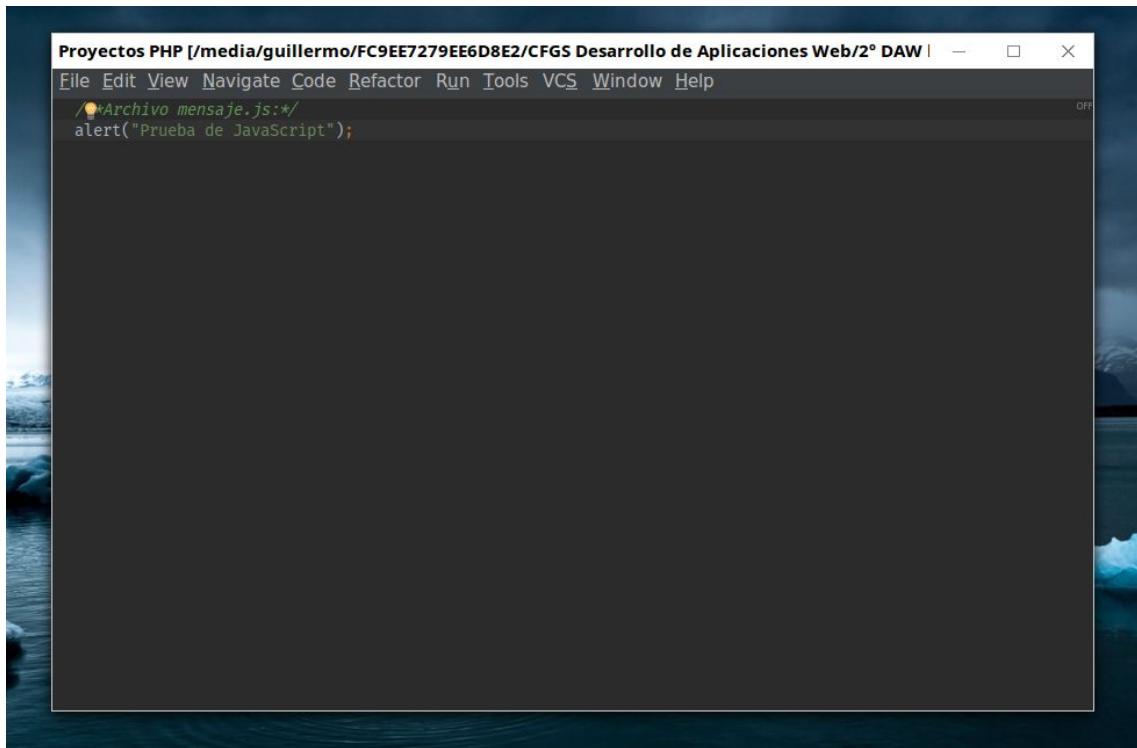


```
mensaje.js — ~/Escritorio/CFGSS Desarrollo de Aplicaciones Web/2º DAW bis/DWECL/Te — □ ×
File Edit View Selection Find Packages Help
Prueba 2.html mensajes.js
1 /*Archivo mensaje.js*/
2 alert("Prueba de JavaScript");
```

inc/mensaje.js 1:1 LF UTF-8 JavaScript 0 files

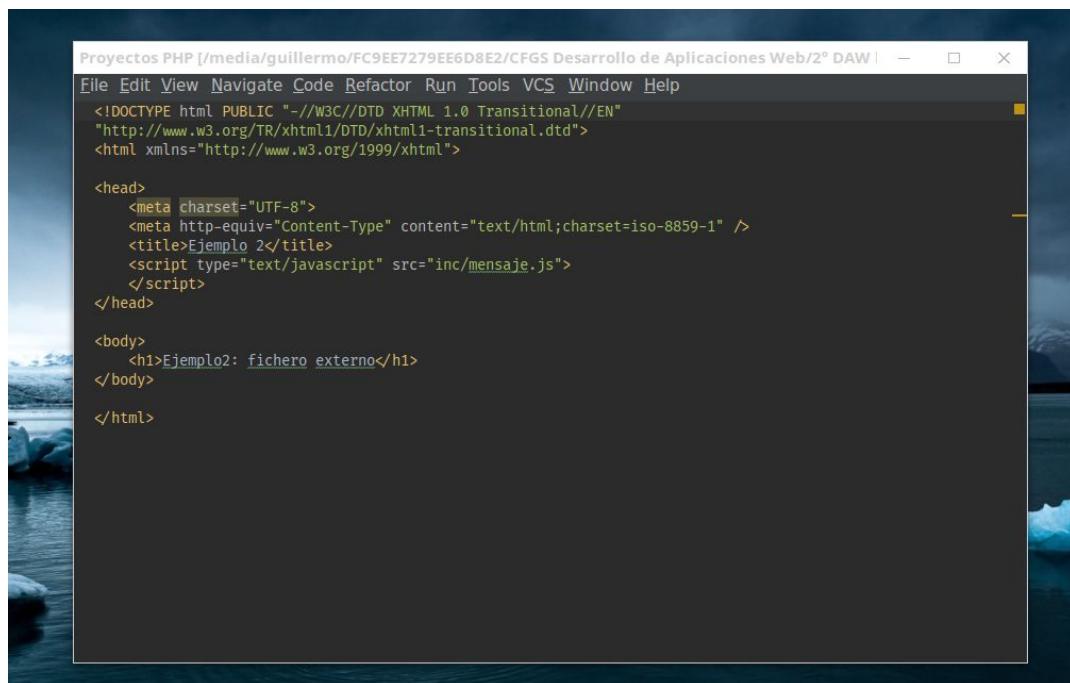
Visualizado en PhpStorm 2018 2.3

HTML



The screenshot shows the PhpStorm interface with a dark theme. The title bar reads "Proyectos PHP [/media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones Web/2º DAW]". The menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. A single tab is open, labeled "Archivo mensaje.js:*", containing the code: `alert("Prueba de JavaScript");`.

JS



The screenshot shows the PhpStorm interface with a dark theme. The title bar reads "Proyectos PHP [/media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones Web/2º DAW]". The menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. A single tab is open, containing the following HTML code:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

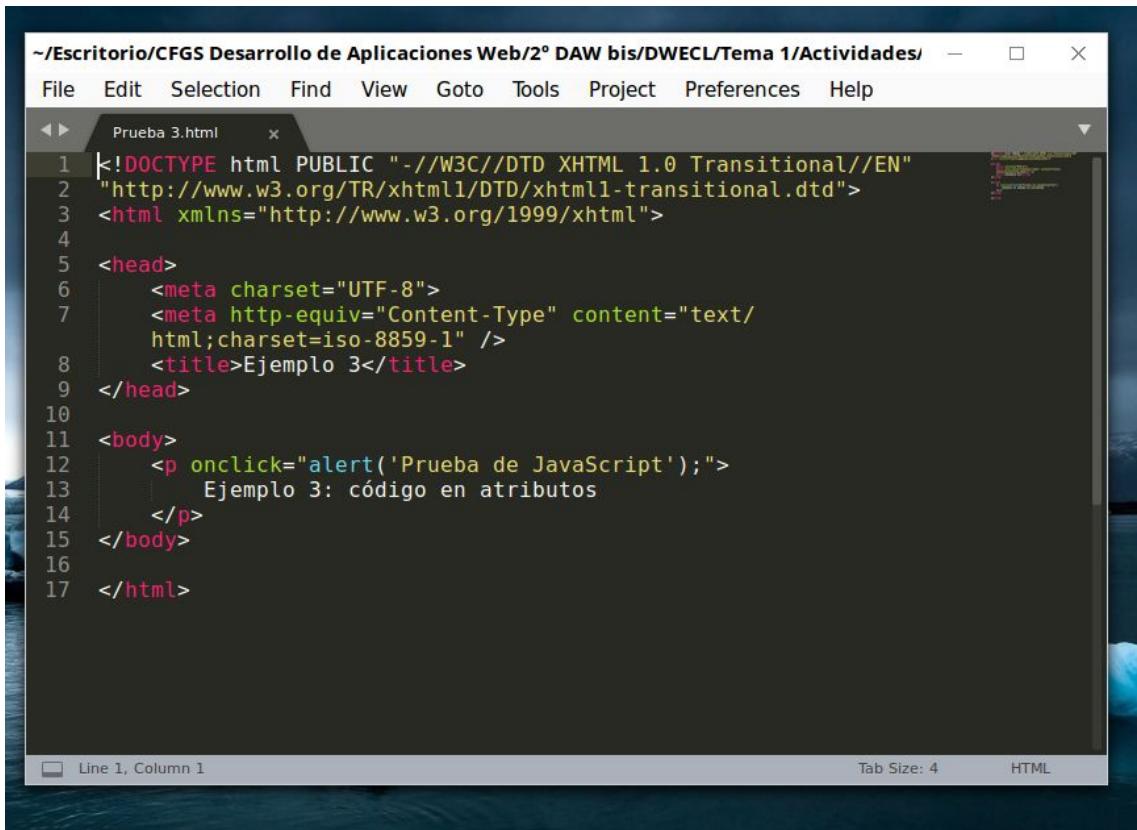
<head>
    <meta charset="UTF-8">
    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
    <title>Ejemplo 2</title>
    <script type="text/javascript" src="inc/mensaje.js">
    </script>
</head>

<body>
    <h1>Ejemplo2: fichero externo</h1>
</body>

</html>
```

Prueba 3.html (código en atributos)

Visualizado en Sublime Text 3.1.1 Build 3176



The screenshot shows a Sublime Text window with the following details:

- Title Bar:** ~/Escritorio/CFGSS Desarrollo de Aplicaciones Web/2º DAW bis/DWECL/Tema 1/Actividades/ - □ X
- Menu Bar:** File Edit Selection Find View Goto Tools Project Preferences Help
- File Tab:** Prueba 3.html x
- Code Content:**

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4
5   <head>
6     <meta charset="UTF-8">
7     <meta http-equiv="Content-Type" content="text/
8       html; charset=iso-8859-1" />
9     <title>Ejemplo 3</title>
10
11   <body>
12     <p onclick="alert('Prueba de JavaScript');">
13       Ejemplo 3: código en atributos
14     </p>
15   </body>
16
17 </html>
```
- Status Bar:** Line 1, Column 1 Tab Size: 4 HTML

Visualizado en Visual Studio Code 1.27.2

The screenshot shows the Visual Studio Code interface with a dark theme. The title bar reads "Prueba 3.html - Visual Studio Code". The menu bar includes "Archivo", "Editar", "Selección", "Ver", "Ir", "Depurar", "Terminal", and "Ayuda". The left sidebar has icons for file operations like Open, Save, Find, Replace, and Undo/Redo. The main editor area contains the following HTML code:

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4
5     <head>
6         <meta charset="UTF-8">
7         <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
8         <title>Ejemplo 3</title>
9     </head>
10
11    <body>
12        <p onclick="alert('Prueba de JavaScript');">
13            Ejemplo 3: código en atributos
14        </p>
15    </body>
16
17 </html>
```

The status bar at the bottom right shows "Lin. 1, Col. 1 Espacios: 4 UTF-8 LF HTML 🌐 ⚡".

Visualizado en Atom 1.30.0 x64

The screenshot shows the Atom code editor interface. The title bar reads "Prueba 3.html — /media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones...". The menu bar includes File, Edit, View, Selection, Find, Packages, and Help. The main editor area displays the following HTML code:

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4
5 <head>
6     <meta charset="UTF-8">
7     <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
8     <title>Ejemplo 3</title>
9 </head>
10
11 <body>
12     <p onclick="alert('Prueba de JavaScript');">
13         Ejemplo 3: código en atributos
14     </p>
15 </body>
16
17 </html>
```

The status bar at the bottom shows "Prueba 3.html 1:1", "LF", "UTF-8", "HTML", and "0 files". The background of the editor window features a scenic image of icebergs in a body of water under a cloudy sky.

Visualizado en PhpStorm 2018.2.3

The screenshot shows the PhpStorm 2018.2.3 interface. The title bar reads "Proyectos PHP [/media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones Web/2º DAW]". The menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The toolbar has icons for Run, Stop, Refresh, and others. The main editor window displays the code for "Prueba 3.html". The code is as follows:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta charset="UTF-8">
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Ejemplo 3</title>
</head>
<body>
<p onclick="alert('Prueba de JavaScript');">
    Ejemplo 3: código en atributos
</p>
</body>
</html>
```

The code editor features syntax highlighting for HTML tags and attributes. The bottom status bar shows "1:1 LF" and "UTF-8". The left sidebar shows a project tree with "1: Project" and "2: Favorites". The right sidebar has a "Database" tab.

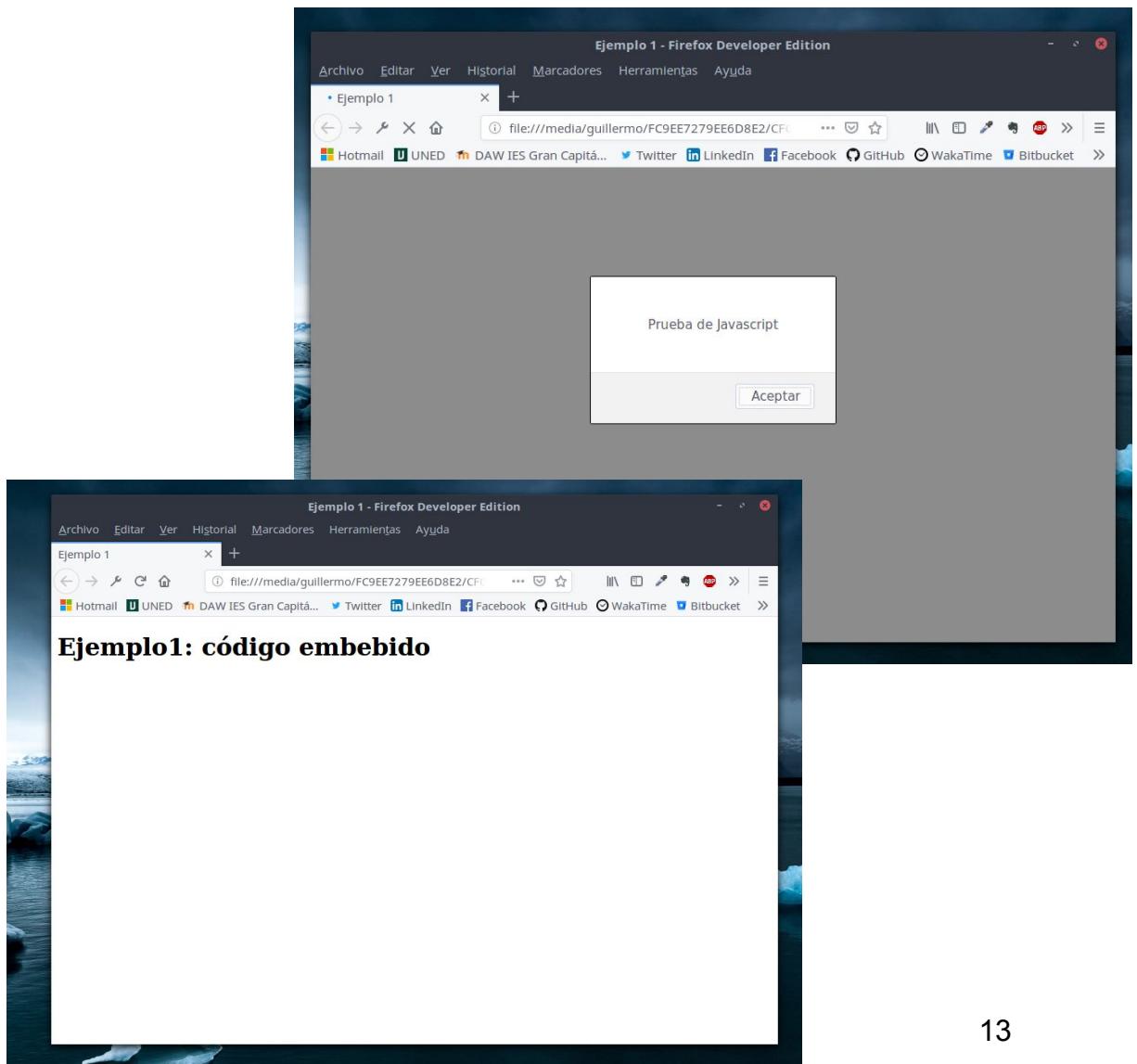
2. Comportamiento en navegadores.

A continuación se muestra el resultado de la ejecución de todas las pruebas en diversos navegadores, en este caso Firefox Developer, Google Chrome, Opera, Vivaldi y Microsoft Edge. Se han obviado Firefox Quantum y Chromium, por ofrecer similares resultados a los dados por Firefox Developer y Chrome, respectivamente.

En Firefox Developer:

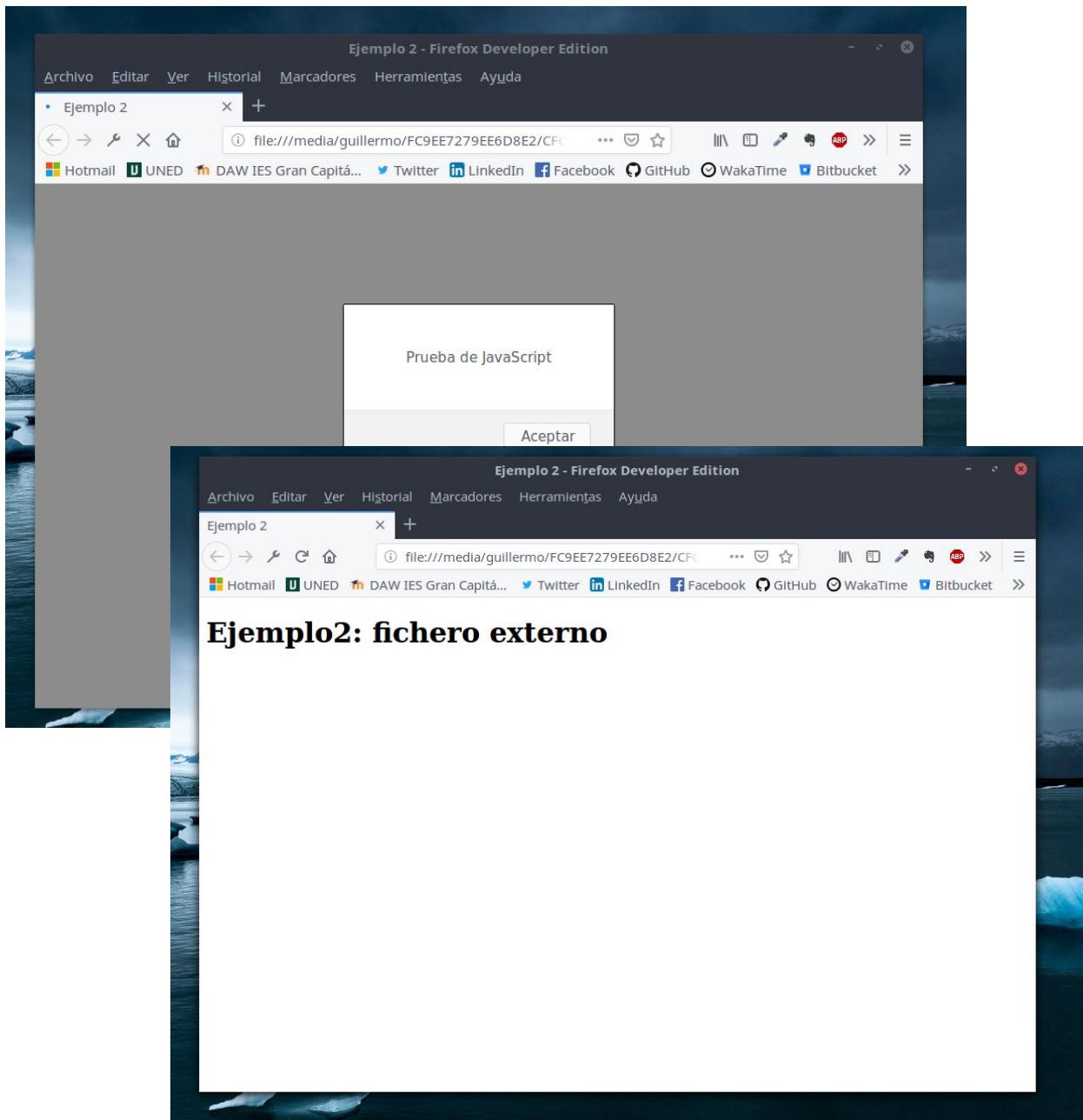
Prueba 1 (código embebido):

El resultado es el esperado tal y como se encuentra embebido el código JavaScript, se muestra un alert que impide llegar hasta el final de la ejecución del html hasta que no es pulsado.



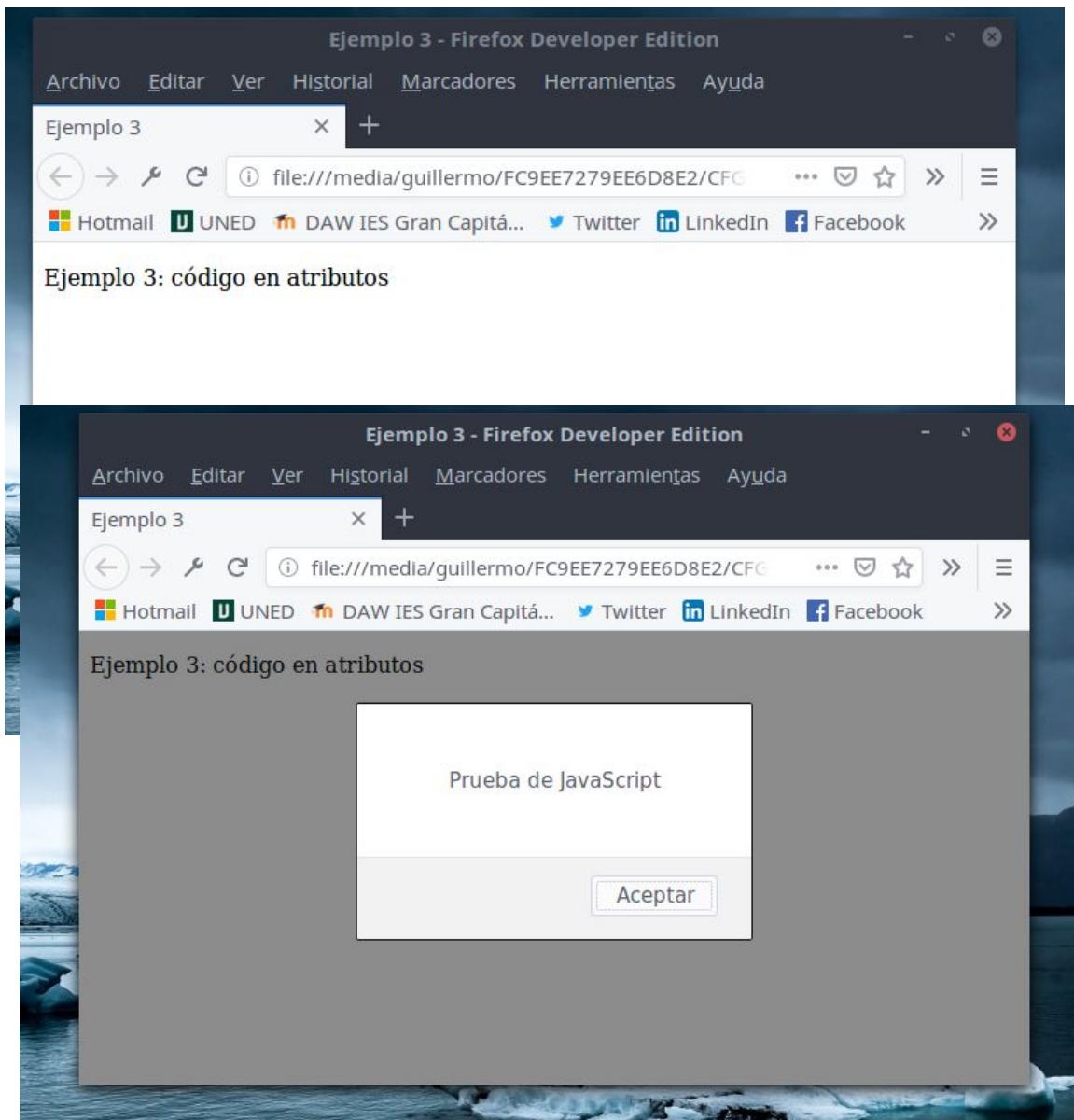
Prueba 2 (fichero externo):

El mismo comportamiento que en el caso anterior.



Prueba 3 (código en atributos):

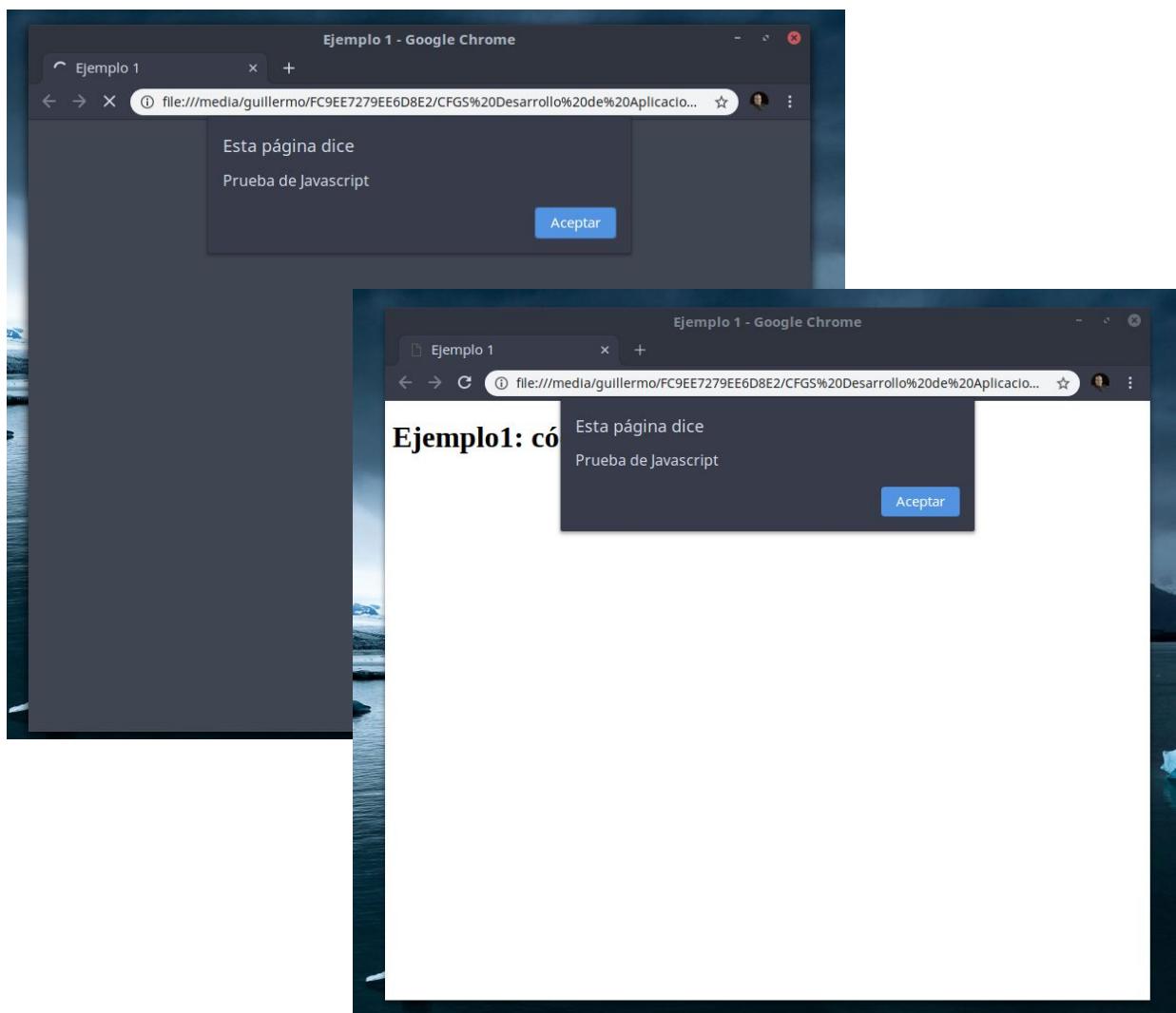
En este caso, tal y como se recoge en el código, el código HTML se ejecuta en su totalidad, y no se muestra el alert hasta hacer clic en el atributo p, y concretamente en el p.



En Google Chrome:

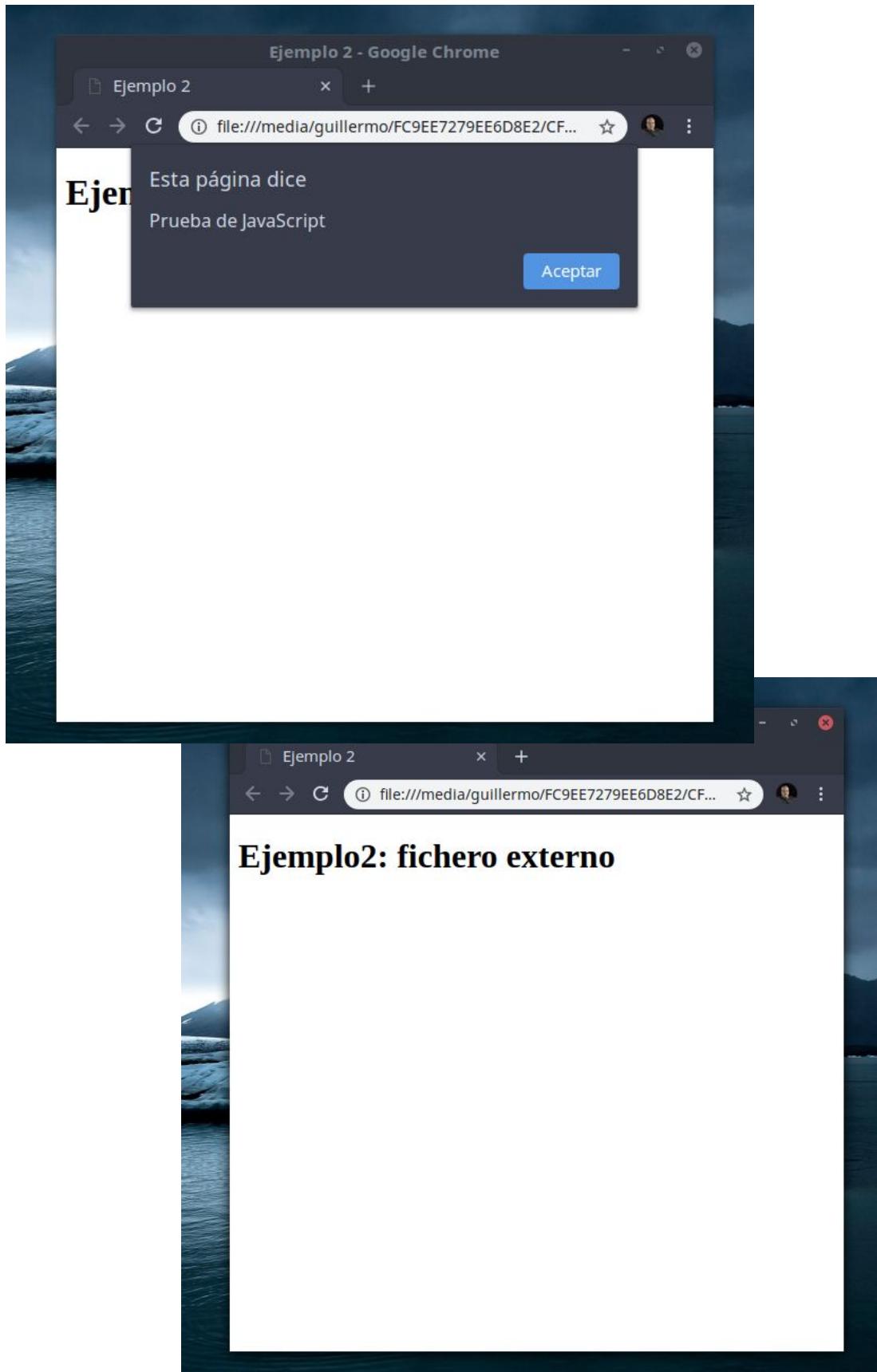
Prueba 1 (código embebido):

La ejecución es similar a la que ocurre en Firefox Developer, solo que en este caso, y a pesar del alert, el código tras la sentencia embebida acaba mostrándose, aun cuando este alert no se pulse.



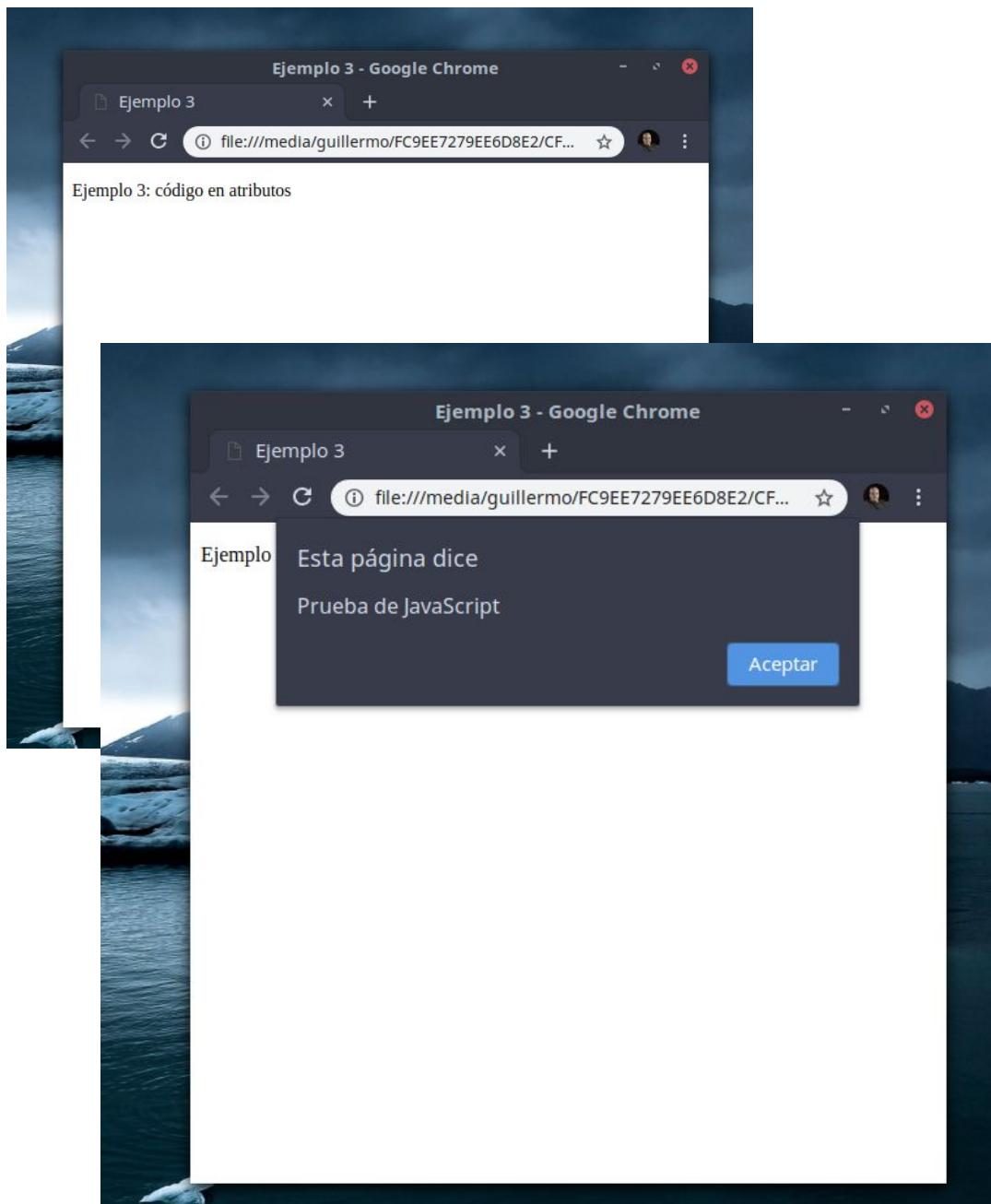
Prueba 2 (fichero externo):

Mismo resultado que en el caso anterior.



Prueba 3 (código en atributos):

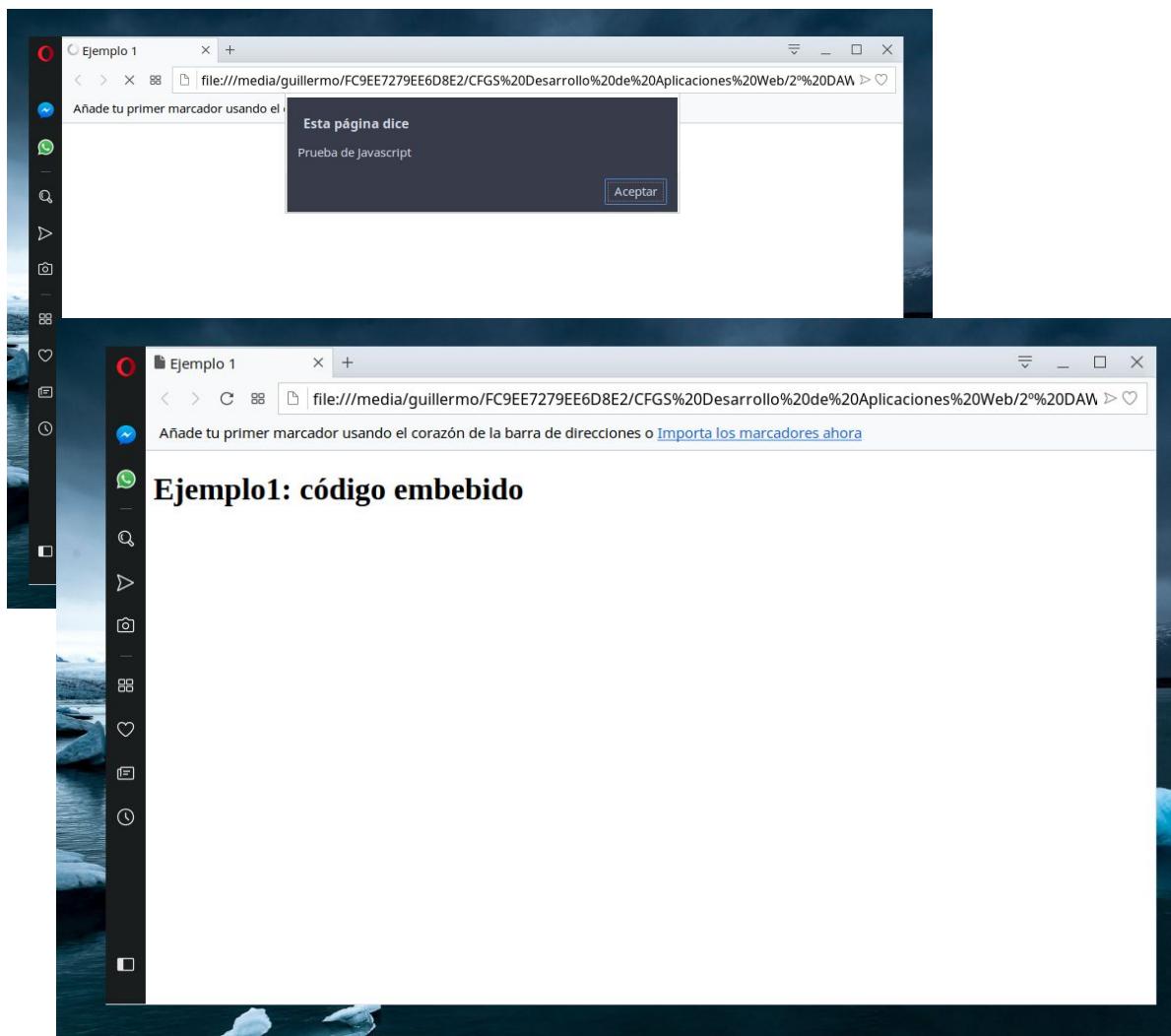
En este caso el comportamiento es el mismo que el que ofrece esta prueba en Firefox Developer.



En Opera:

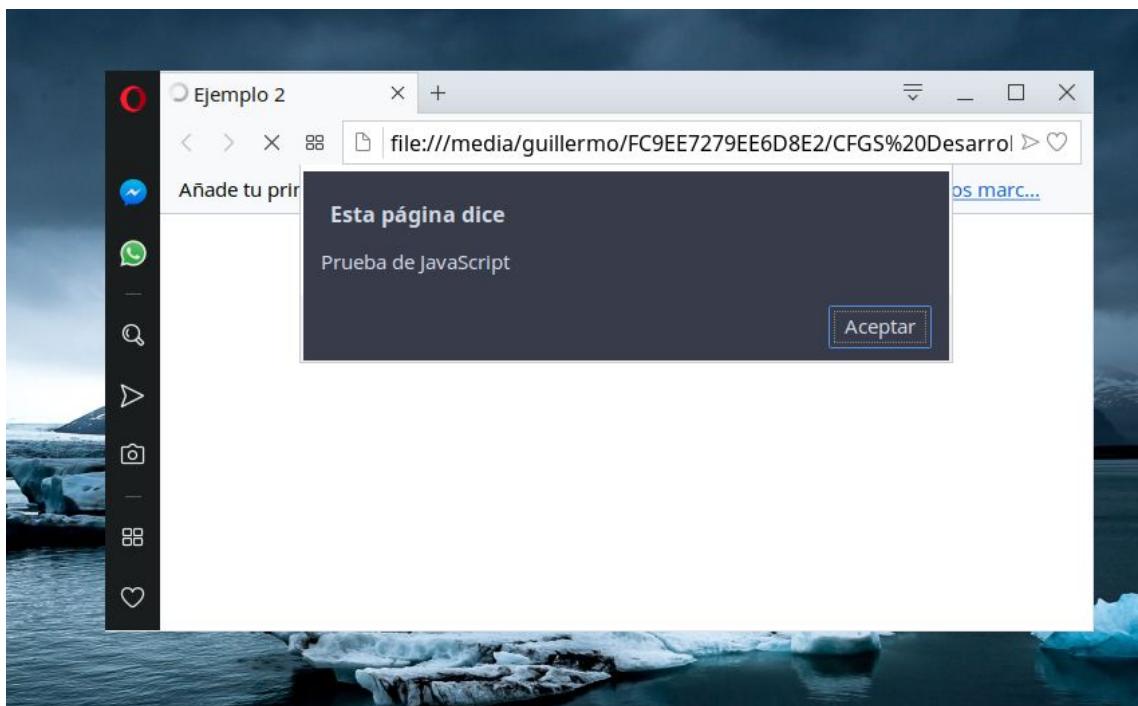
Prueba 1 (código embebido):

Ofrece el mismo comportamiento que en Firefox Developer.



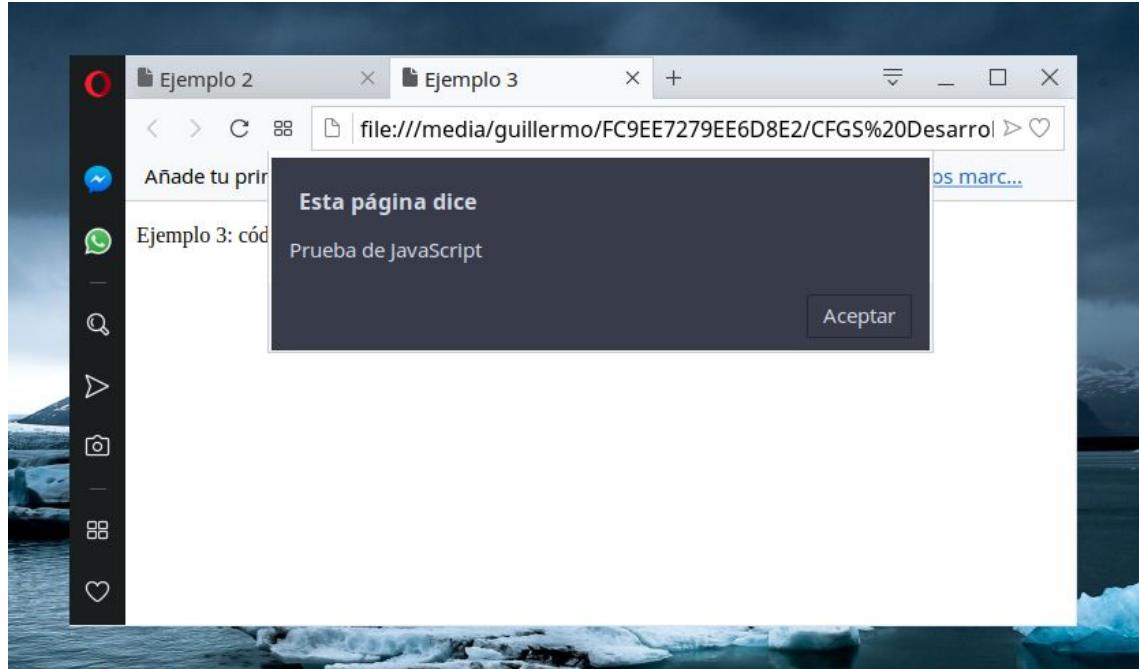
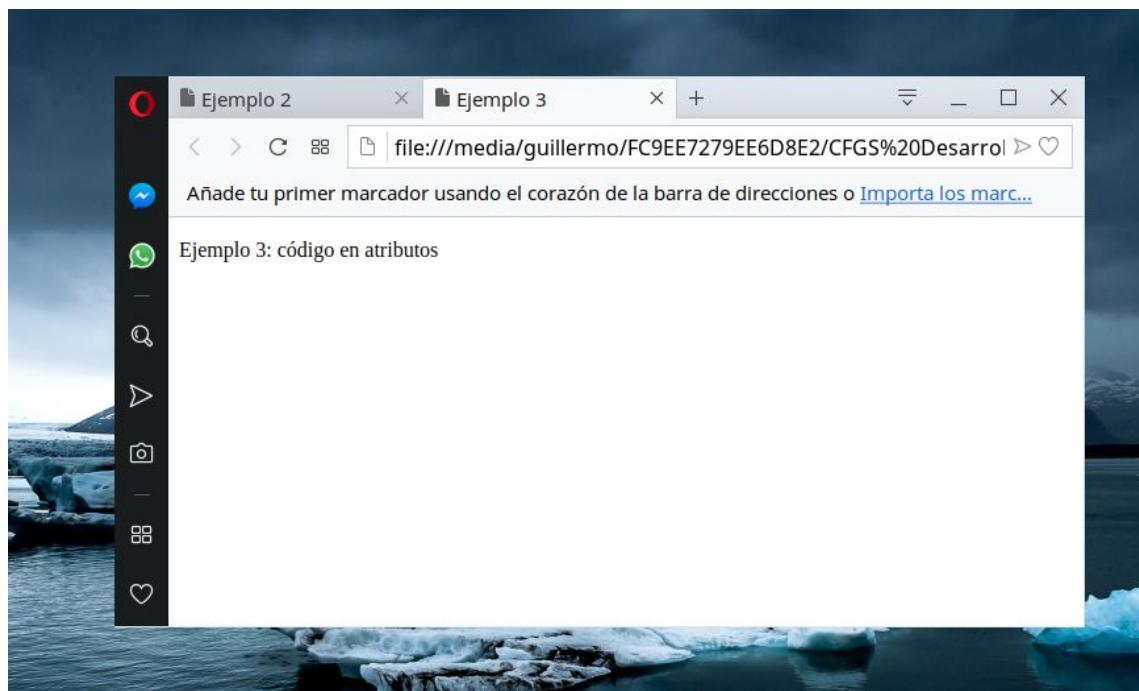
Prueba 2 (fichero externo):

Idéntico resultado que en el caso anterior.



Prueba 3 (código en atributos):

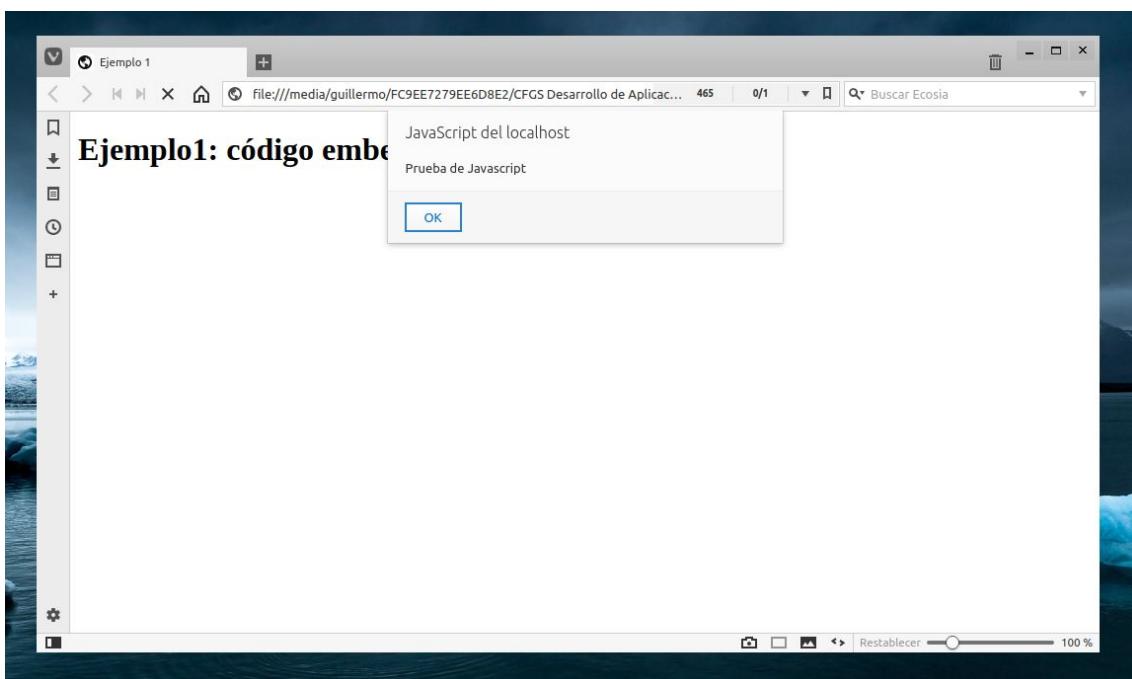
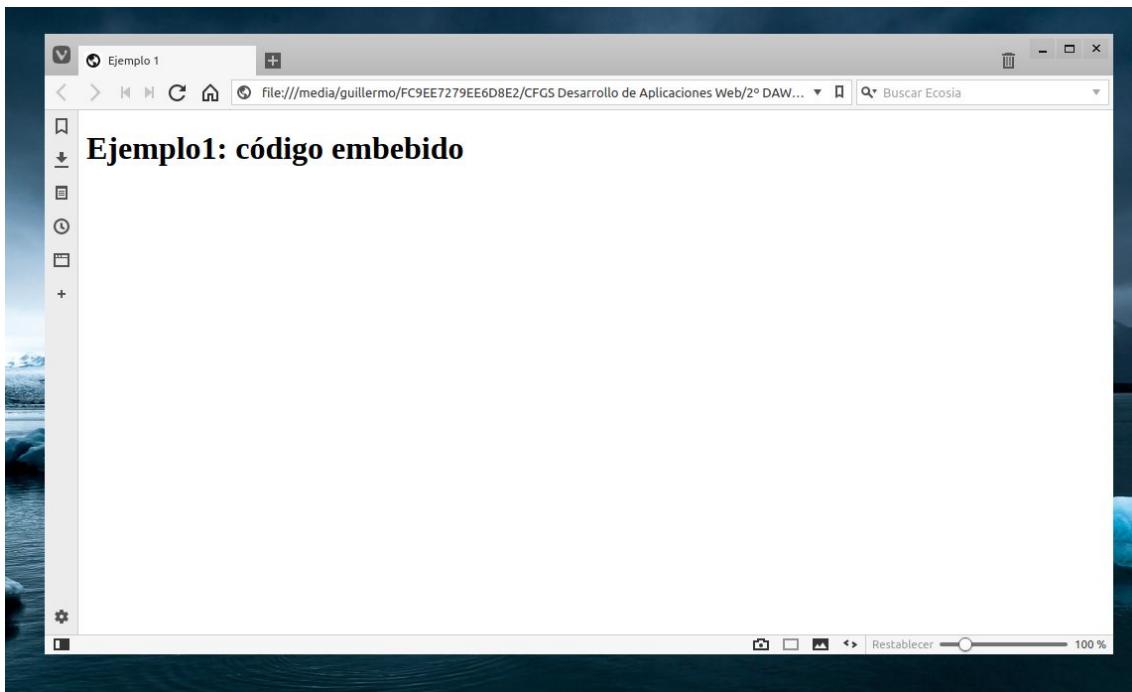
Ofrece el mismo resultado que en los dos navegadores anteriores.



En Vivaldi:

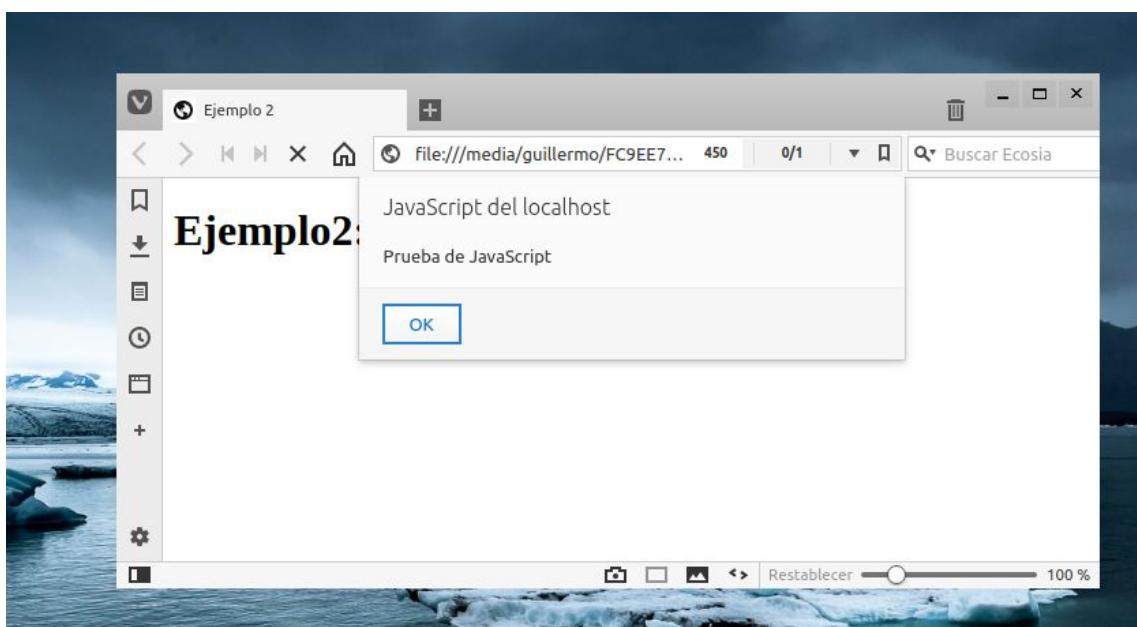
Prueba 1 (código embebido):

Vivaldi no interpreta como el resto de navegadores, puesto que desde un primer instante vemos el código posterior a la sentencia en Javascript, sin alert. que sólo aparece al recargar.



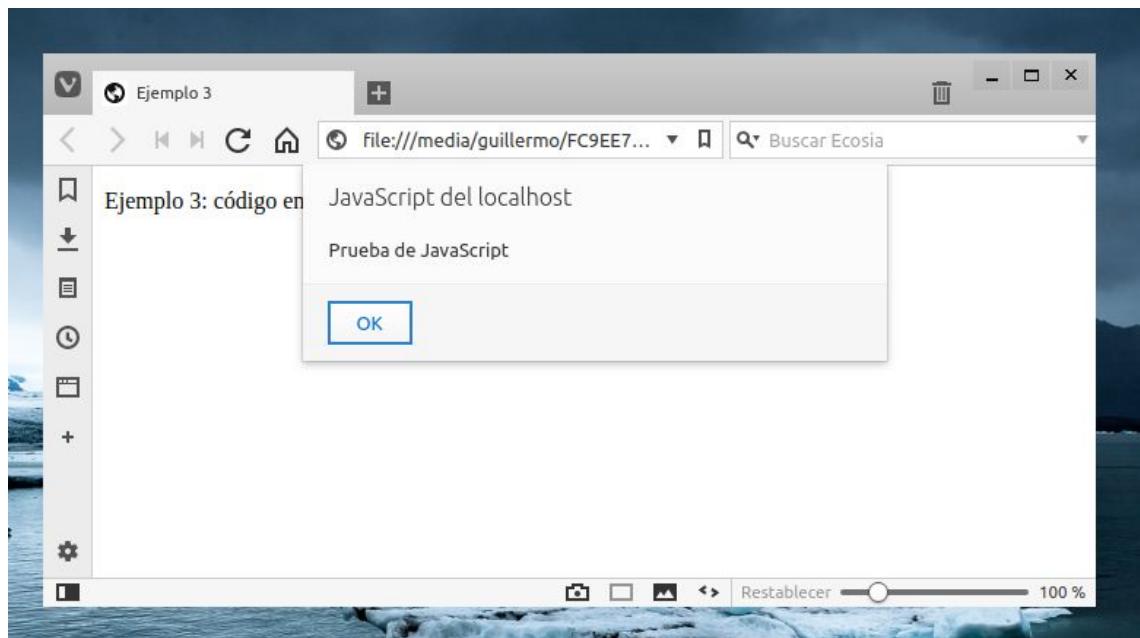
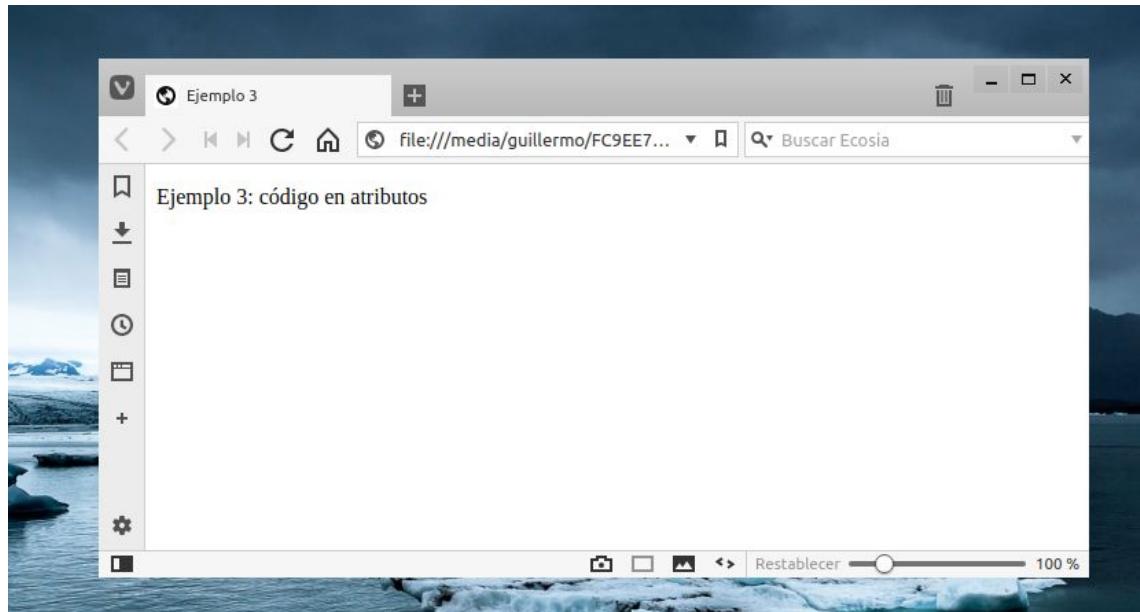
Prueba 2 (fichero externo):

Ocurre lo mismo que en el caso anterior.



Prueba 3 (código en atributos):

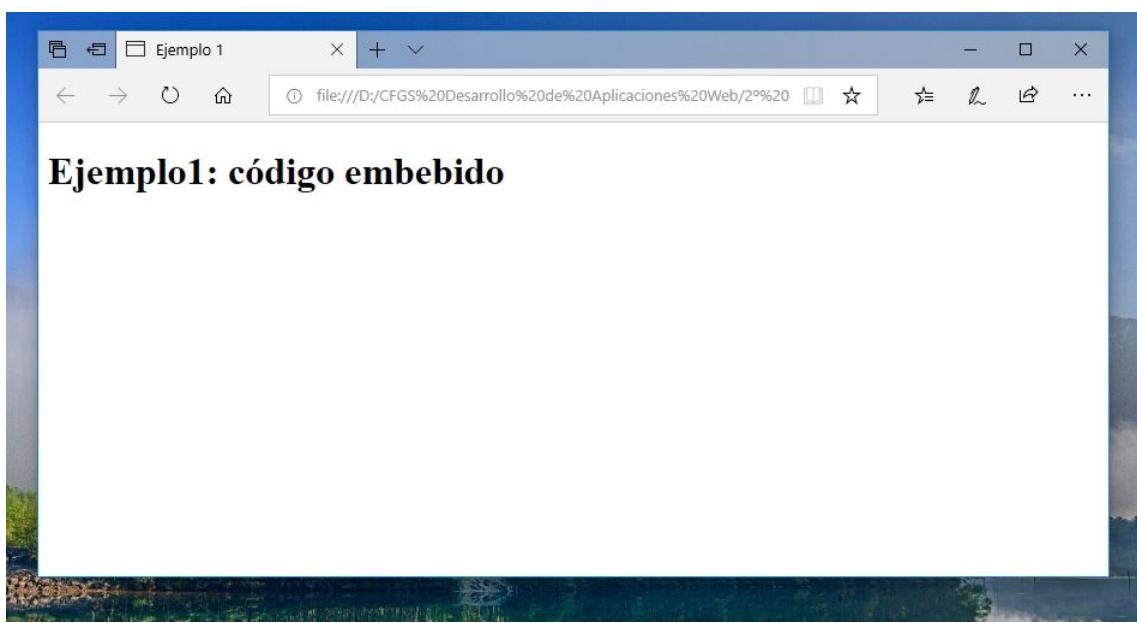
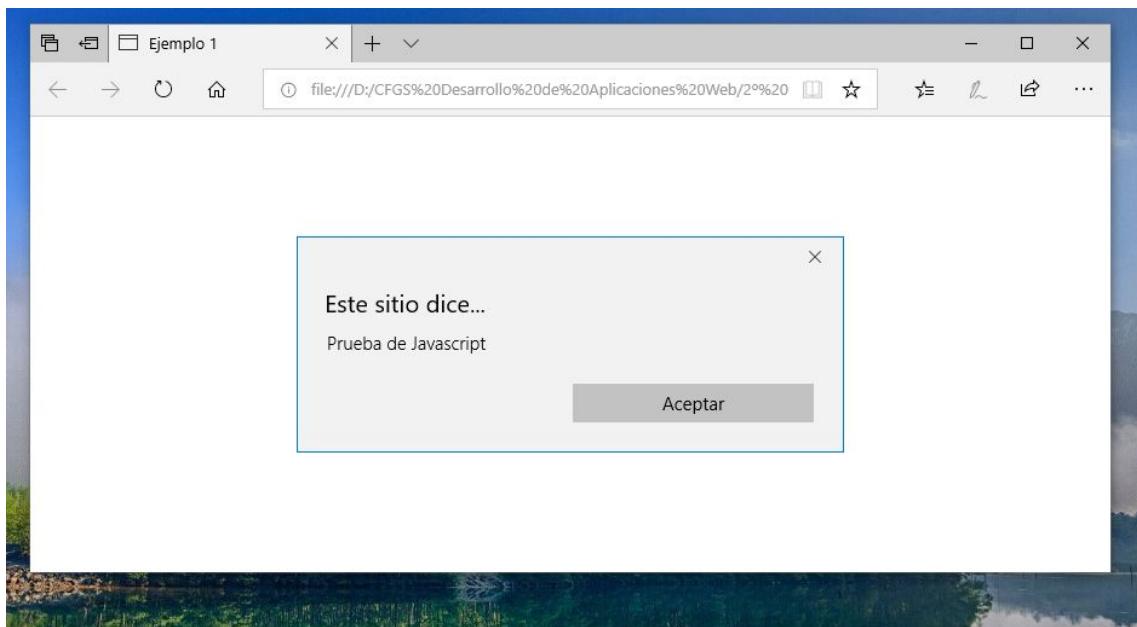
En este caso, el comportamiento es el mismo que en el resto de navegadores.



En Edge:

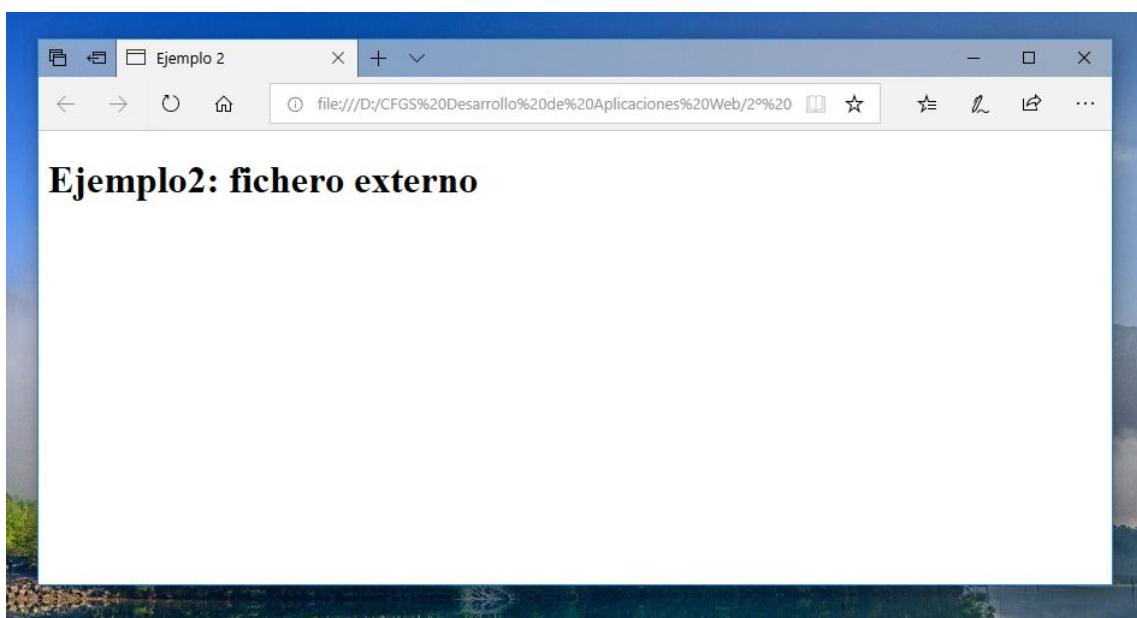
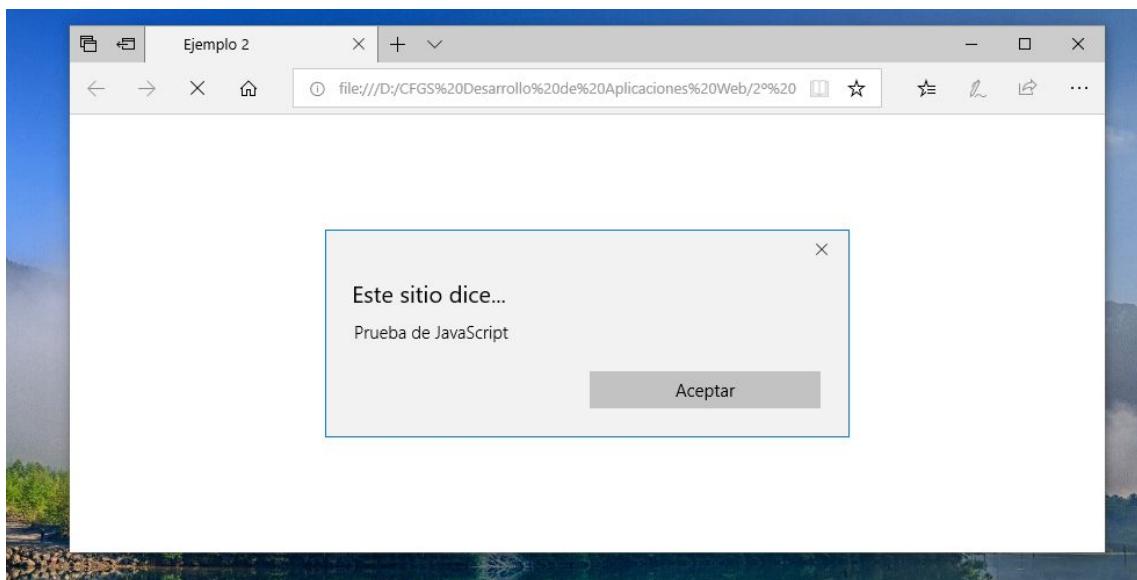
Prueba 1 (código embebido):

El comportamiento es idéntico al que tiene Firefox Developer y Opera



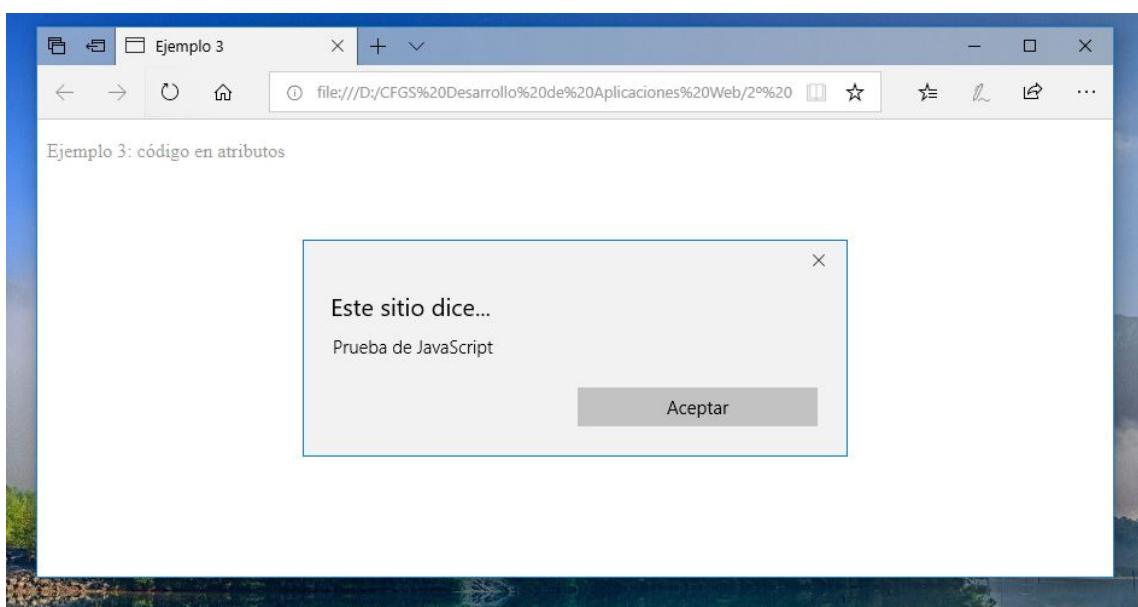
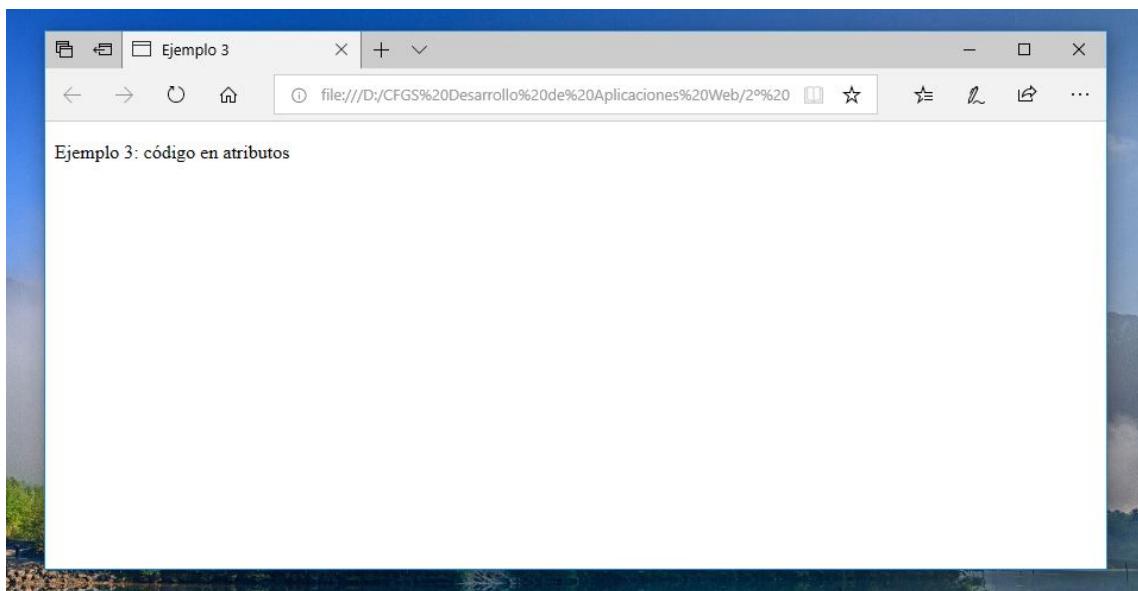
Prueba 2 (fichero externo):

Lo mismo que en el caso anterior.



Prueba 3 (código en atributos):

Idéntico comportamiento al del resto de navegadores.



3. Plugins instalados y atajos en los editores.

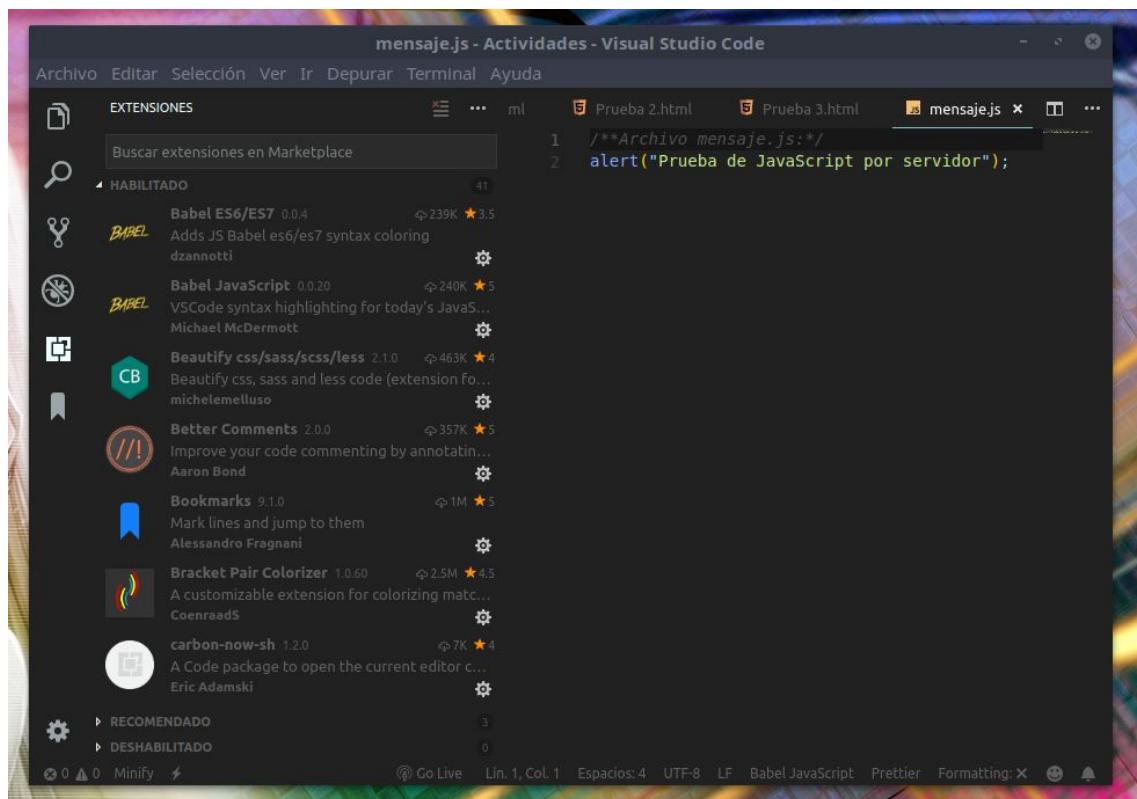
En el siguiente apartado se muestran los plugins instalados en tres editores, Visual Studio Code, Sublime Text y Atom.

Estos plugins tienen diversas utilidades, entre ellas el reconocimiento de HTML y Javascript, de tal modo que facilitan la escritura de código.

Por otra parte, se presentarán algunos atajos que facilitan la tarea en dichos editores.

En Visual Studio Code

Plugins instalados:



mensaje.js - Actividades - Visual Studio Code

Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

EXTENSIONES

Buscar extensiones en Marketplace

HABILITADO

- Color Highlight 2.3.0 ⚡ 275K ★ 4.5
Highlight web colors in your editor
Sergii Naumov
- Copy Relative Path 0.0.2 ⚡ 69K ★ 4
Copy Relative Path from a File
alexdimas
- Dracula Official 2.14.1 ⚡ 1M ★ 5
Official Dracula Theme. A dark theme for many editors.
- Easy Sass 0.0.6 ⚡ 29K ★ 4
Built-in, easy to use Sass compiler
Wojciech Sura
- Formatting Toggle 1.4.0 ⚡ 106K ★ 5
A VS Code extension that allows you to toggle between different code styles.
- Guides 0.9.2 ⚡ 297K ★ 5
An extension for more guide lines
spywhere
- highlight-selections-vscode 0.0.1 ⚡ 1K
Select or double click a word to highlight it in all files

RECOMENDADO

DESHABILITADO

Go Live Lin. 1, Col. 1 Espacios: 4 UTF-8 LF Babel JavaScript Prettier Formatting: ✘ ☺ 🔔

mensaje.js - Actividades - Visual Studio Code

Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

EXTENSIONES

Buscar extensiones en Marketplace

HABILITADO

- HTML Snippets 0.2.1 ⚡ 2M ★ 4.5
Full HTML tags including HTML5 Snippets
Mohamed Abusaid
- htmltagwrap 0.0.7 ⚡ 73K ★ 4.5
Wraps selected code with HTML tags
Brad Gashler
- indent-rainbow 7.2.4 ⚡ 196K ★ 5
Makes indentation easier to read
oderwat
- IntelliSense for CSS class... 1.17.1 ⚡ 2.5M ★ 3.5
CSS class name completion for the HTML clas...
- JavaScript (ES6) code snippets 17.0 ⚡ 2.2M ★ 4.5
Code snippets for JavaScript in ES6 syntax
charalampos karypidis
- jQuery Code Snippets 0.0.1 ⚡ 360K ★ 4
Over 130 jQuery Code Snippets
Don Jayamanne
- jQuery Snippets 1.0.0 ⚡ 30K ★ 3
all in jquery snippets for development
Hridoy

RECOMENDADO

DESHABILITADO

Go Live Lin. 1, Col. 1 Espacios: 4 UTF-8 LF Babel JavaScript Prettier Formatting: ✘ ☺ 🔔

mensaje.js - Actividades - Visual Studio Code

Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

EXTENSIONES

Buscar extensiones en Marketplace

HABILITADO

- JS & CSS Minifier 2.0.3 ⚡ 17K ★ 5
Easily Minify ES5/ES6/ES7/ES8 and CSS olback
- jumpy 0.3.1 ⚡ 51K ★ 5
Jumpy provides fast cursor movement, inspir... wmauer
- lit-html 1.6.2 ⚡ 35K ★ 5
Syntax highlighting and Intellisense For html ... Matt Bierner
- Live Server 5.1.1 ⚡ 13M ★ 5
Launch a development local Server with live r... Ritwick Dey
- Make Hidden 2.3.3 ⚡ 5K ★ 4.5
Make Hidden provides more control over you... Rhys Devine-Davies
- Material Theme 2.4.2 ⚡ 1.5M ★ 5
The most epic theme now for Visual Studio C... Mattia Astorino
- Night Owl 0.4.1 ⚡ 101K ★ 5
A VS Code theme for the night owls out ther... sarahdrasner

RECOMENDADO

DESHABILITADO

0 ▲ 0 Minify ⚡

Go Live Lín. 1, Col. 1 Espacios: 4 UTF-8 LF Babel JavaScript Prettier Formatting: X ☺ 🔔

```
1 /**
2  * Archivo mensaje.js */
3 alert("Prueba de JavaScript por servidor");
```

mensaje.js - Actividades - Visual Studio Code

Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

EXTENSIONES

Buscar extensiones en Marketplace

HABILITADO

- npm Intellisense 1.3.0 ⚡ 955K ★ 4.5
Visual Studio Code plugin that autocomplete... Christian Kohler
- Prettier - Code Formatter 1.6.1 ⚡ 3.8M ★ 4
VS Code plugin for prettier/prettier Esben Petersen
- Sass Formatter 1.1.6 ⚡ 57K ★ 4.5
Beautify sass, scss and css files. Saša Jovanović Spuki
- select highlight in minimap 0.0.8 ⚡ 6K ★ 5
selected text highlight in minimap and editor fozueuh
- SharePoint Snippets 1.9.0 ⚡ 4K
Simple extension that provide ajax snippets f... Memphis335
- shell-format 1.1.3 ⚡ 48K ★ 4.5
the shellscript, Dockerfile code format Foxundermoon
- Spanish Language Pack for... 1.27.2 ⚡ 451K ★ 5
Español Microsoft

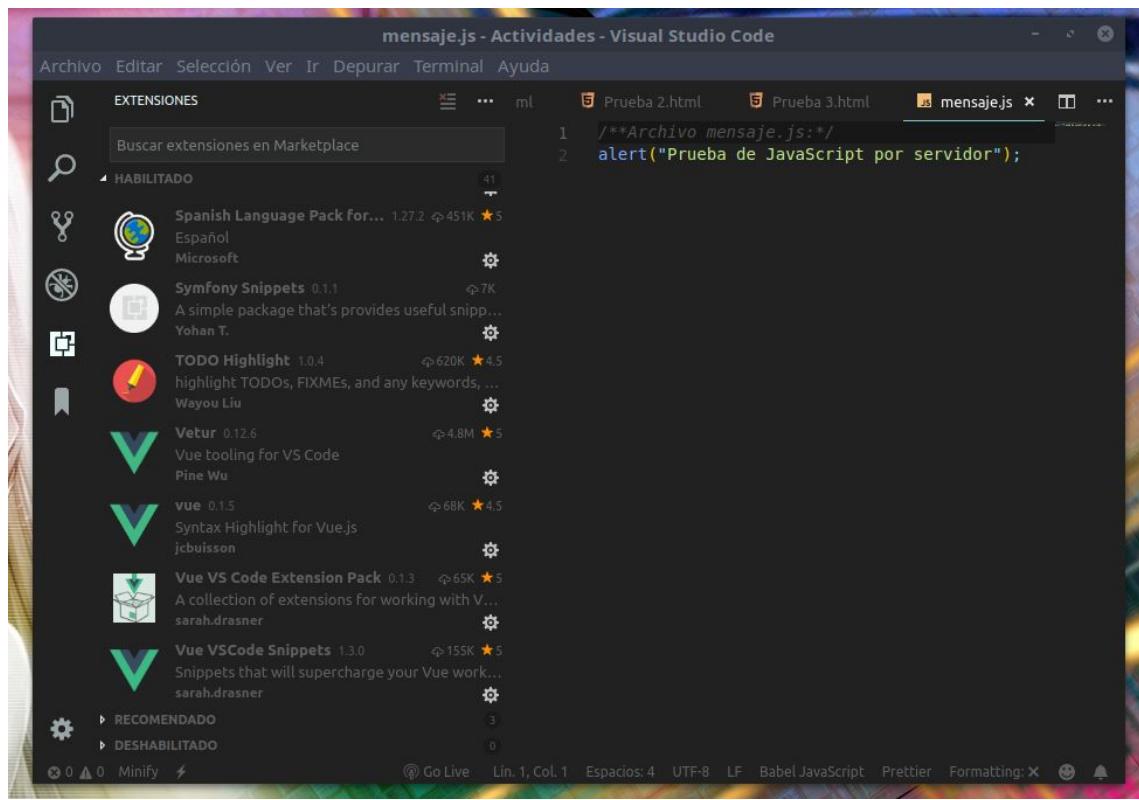
RECOMENDADO

DESHABILITADO

0 ▲ 0 Minify ⚡

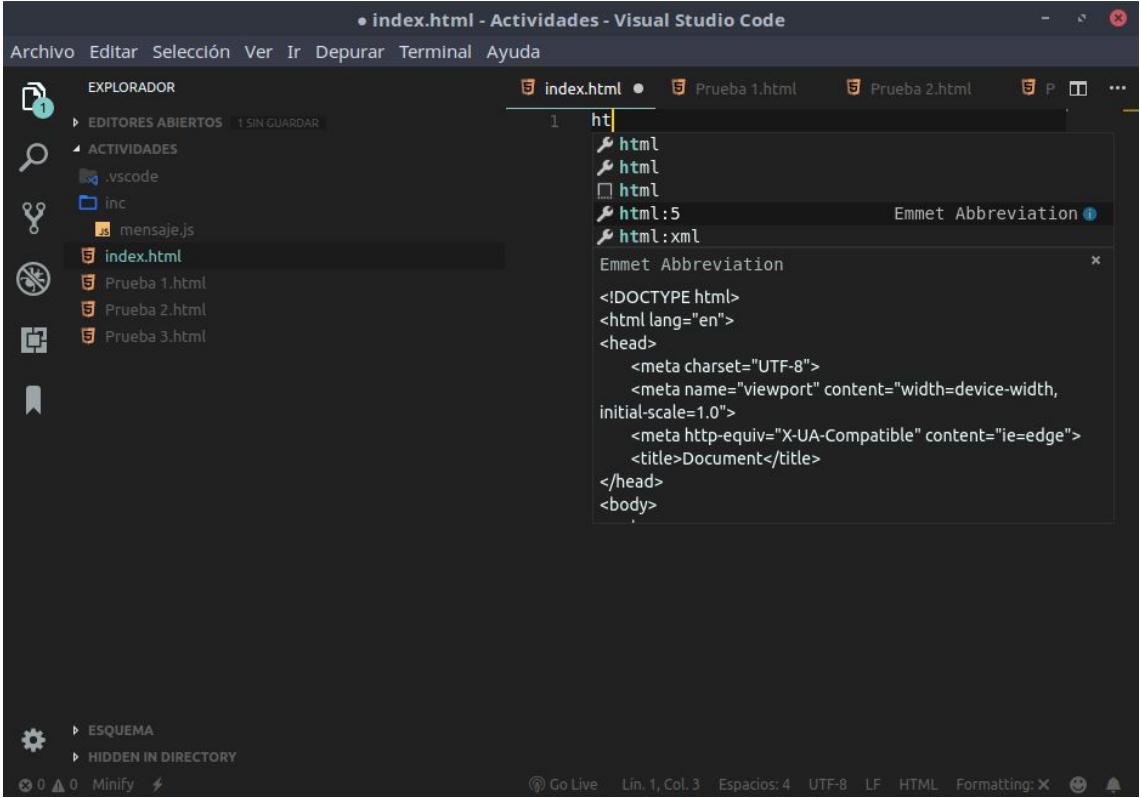
Go Live Lín. 1, Col. 1 Espacios: 4 UTF-8 LF Babel JavaScript Prettier Formatting: X ☺ 🔔

```
1 /**
2  * Archivo mensaje.js */
3 alert("Prueba de JavaScript por servidor");
```



Atajos:

Creación de estructura básica HTML5



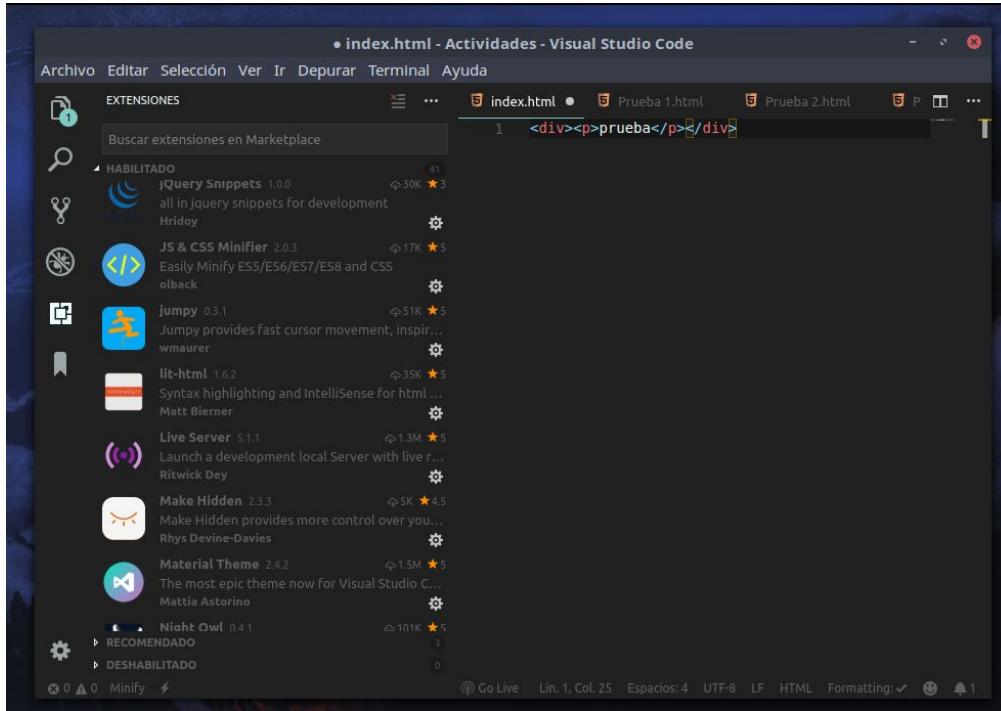
The screenshot shows the Visual Studio Code interface with the title bar "• index.html - Actividades - Visual Studio Code". The menu bar includes Archivo, Editar, Selección, Ver, Ir, Depurar, Terminal, Ayuda. The Explorer sidebar shows "EDITORES ABIERTOS: 1 SIN GUARDAR" and "ACTIVIDADES" with files ".vscode", "index.html", "Prueba 1.html", "Prueba 2.html", and "Prueba 3.html". The bottom status bar shows "ESQUEMA", "HIDDEN IN DIRECTORY", "Go Live", "Lin. 1, Col. 3", "Espacios: 4", "UTF-8", "LF", "HTML", "Formatting: x", and icons for Minify, Save, and Sync.

In the main editor area, the file "index.html" is open. The Emmet Abbreviation feature is active, with the prefix "ht" expanded into the following HTML5 structure:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <meta http-equiv="X-UA-Compatible" content="ie=edge">
            <title>Document</title>
    </head>
<body>
```

Formateo automático de HTML:

Antes del guardado:



index.html - Actividades - Visual Studio Code

Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

EXTENSIONES

Buscar extensiones en Marketplace

HABILITADO

- jQuery Snippets 1.0.0
- JS & CSS Minifier 2.0.3
- jumpy 0.3.1
- lit-html 1.6.2
- Live Server 5.1.1
- Make Hidden 2.3.3
- Material Theme 2.4.2
- Night Owl 0.4.1

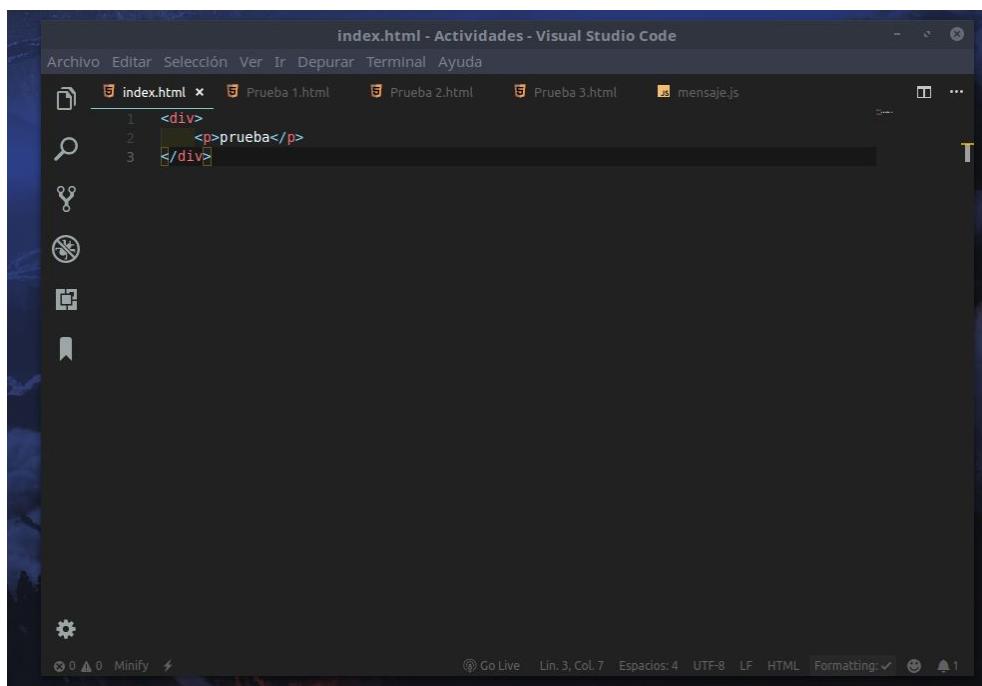
RECOMENDADO

DESHABILITADO

Go Live Lin. 1, Col. 25 Espacios: 4 UTF-8 LF HTML Formatting: ✓ 1

```
<div><p>prueba</p></div>
```

Tras guardado:



index.html - Actividades - Visual Studio Code

Archivo Editar Selección Ver Ir Depurar Terminal Ayuda

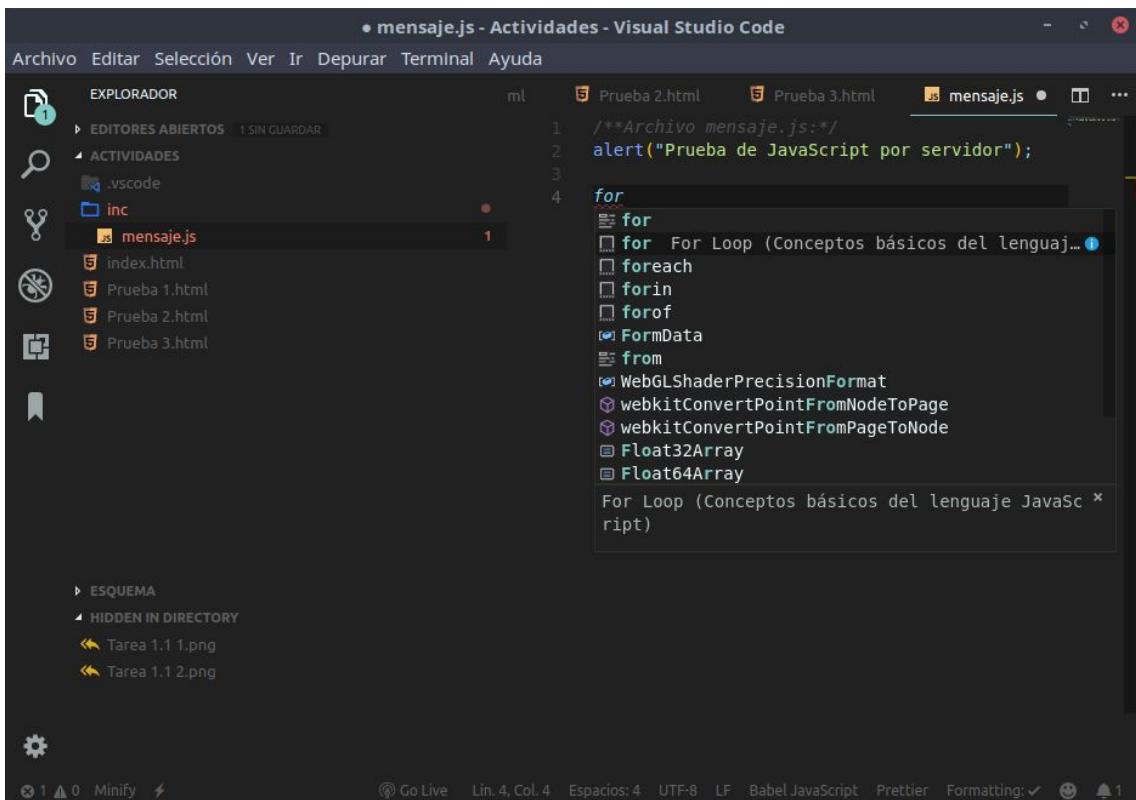
index.html x Prueba 1.html Prueba 2.html Prueba 3.html mensaje.js

Format

Go Live Lin. 3, Col. 7 Espacios: 4 UTF-8 LF HTML Formatting: ✓ 1

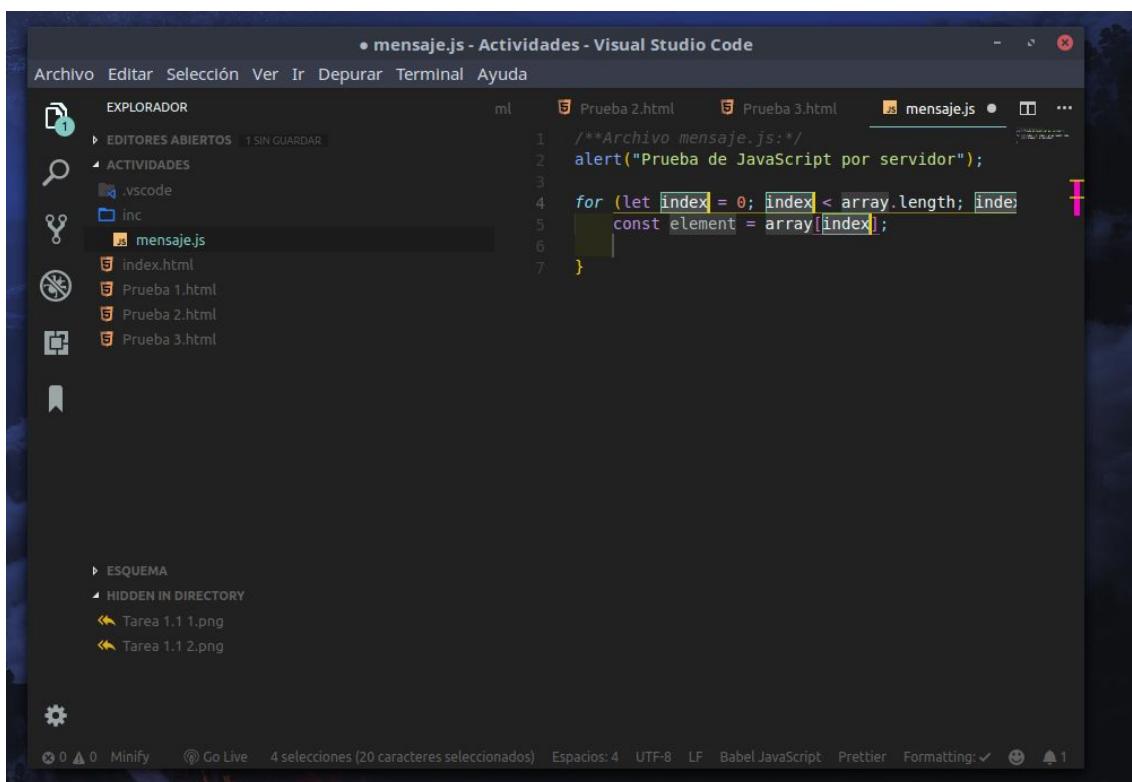
```
<div>
<p>prueba</p>
</div>
```

Autocompletado en js:



The screenshot shows the Visual Studio Code interface with the file 'mensaje.js' open. The code contains a basic alert statement and a 'for' loop. A tooltip is displayed over the word 'for', listing various loop-related functions and objects available for completion. The tooltip includes 'for', 'for', 'for Loop (Conceptos básicos del lenguaje JavaScript)', 'foreach', 'forin', 'forof', 'FormData', 'from', 'WebGLShaderPrecisionFormat', 'webkitConvertPointFromNodeToPage', 'webkitConvertPointFromPageToNode', 'Float32Array', and 'Float64Array'. Below the tooltip, a note says 'For Loop (Conceptos básicos del lenguaje JavaScript)'.

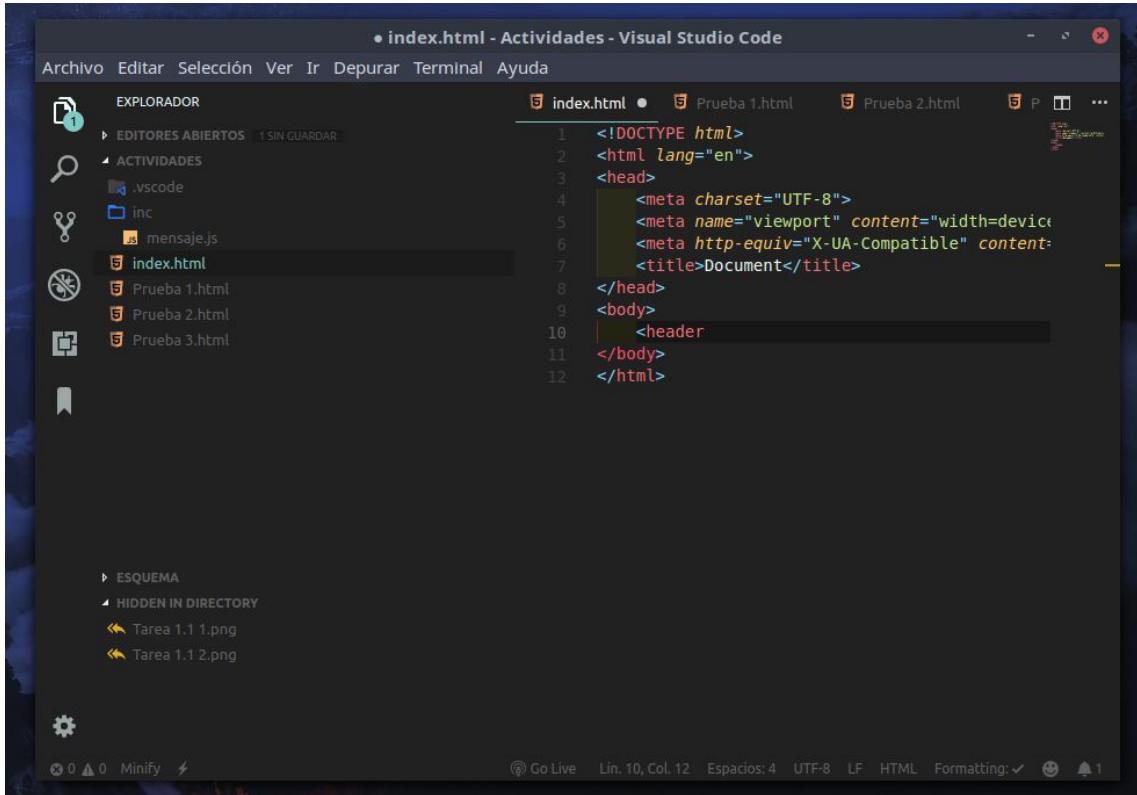
```
1 //**Archivo mensaje.js*/
2 alert("Prueba de JavaScript por servidor");
3
4 for
5   for
6     for Loop (Conceptos básicos del lenguaje JavaScript)
7       foreach
8       forin
9       forof
10      FormData
11      from
12      WebGLShaderPrecisionFormat
13      webkitConvertPointFromNodeToPage
14      webkitConvertPointFromPageToNode
15      Float32Array
16      Float64Array
17
18 For Loop (Conceptos básicos del lenguaje JavaScript)
```



This screenshot shows the same Visual Studio Code environment with the 'mensaje.js' file. The 'for' loop has been partially typed, and a tooltip is shown above the cursor. The suggestion 'const element = array[index];' is highlighted with a yellow background. The rest of the loop structure is also visible in the tooltip.

```
1 //**Archivo mensaje.js*/
2 alert("Prueba de JavaScript por servidor");
3
4 for (let index = 0; index < array.length; index++)
5   const element = array[index];
6 }
```

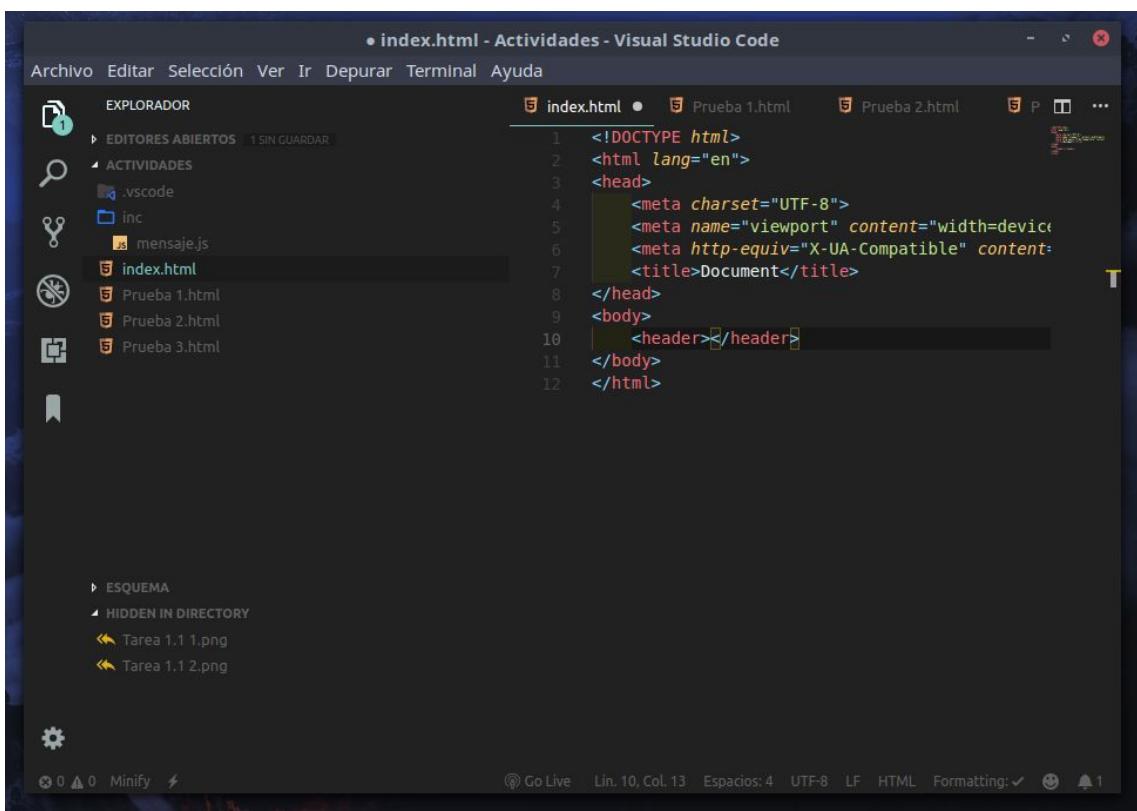
Cierre automático de etiquetas.



The screenshot shows the Visual Studio Code interface with the title bar "• index.html - Actividades - Visual Studio Code". The left sidebar displays a file tree with ".vscode", "inc", "mensaje.js", "index.html", "Prueba 1.html", "Prueba 2.html", and "Prueba 3.html". Below the file tree are sections for "ESQUEMA" and "HIDDEN IN DIRECTORY" containing "Tarea 1.1 1.png" and "Tarea 1.1 2.png". The main editor area shows the following HTML code:

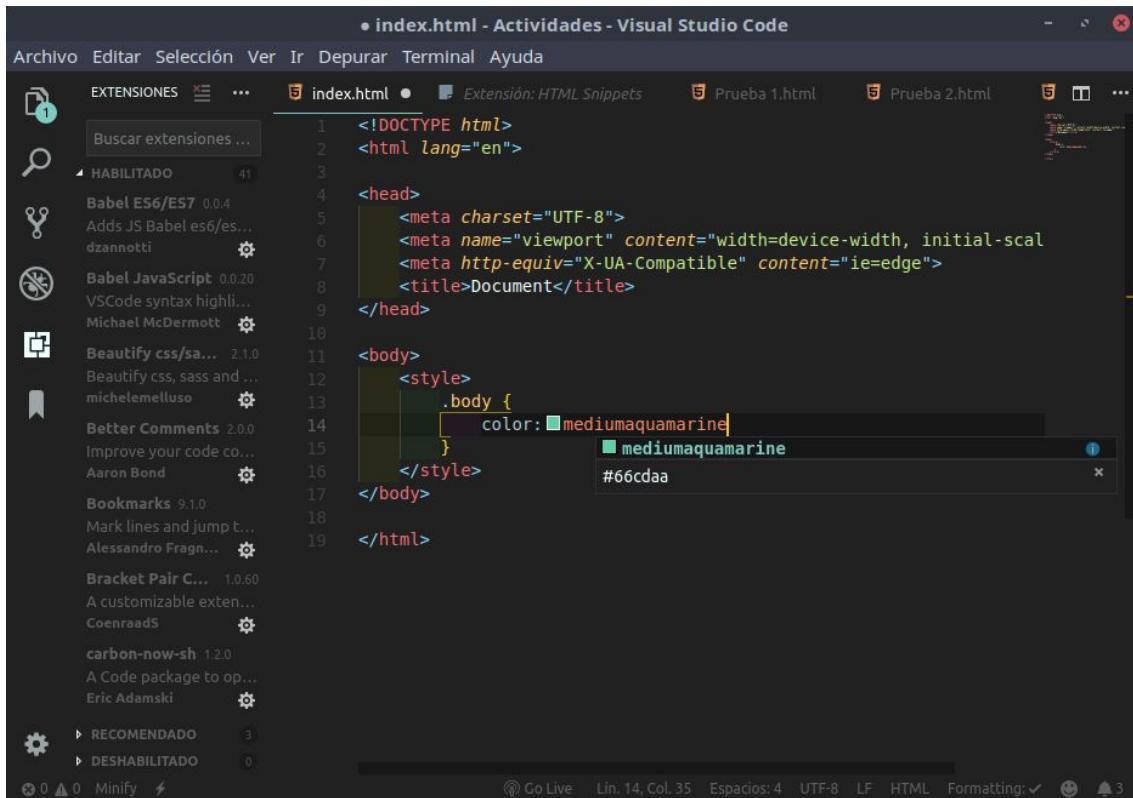
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Document</title>
</head>
<body>
|   <header>
</body>
</html>
```

The cursor is positioned at the end of the opening `<header>` tag in the body section. The status bar at the bottom indicates "Lin. 10, Col. 12" and "Formatting: ✓".



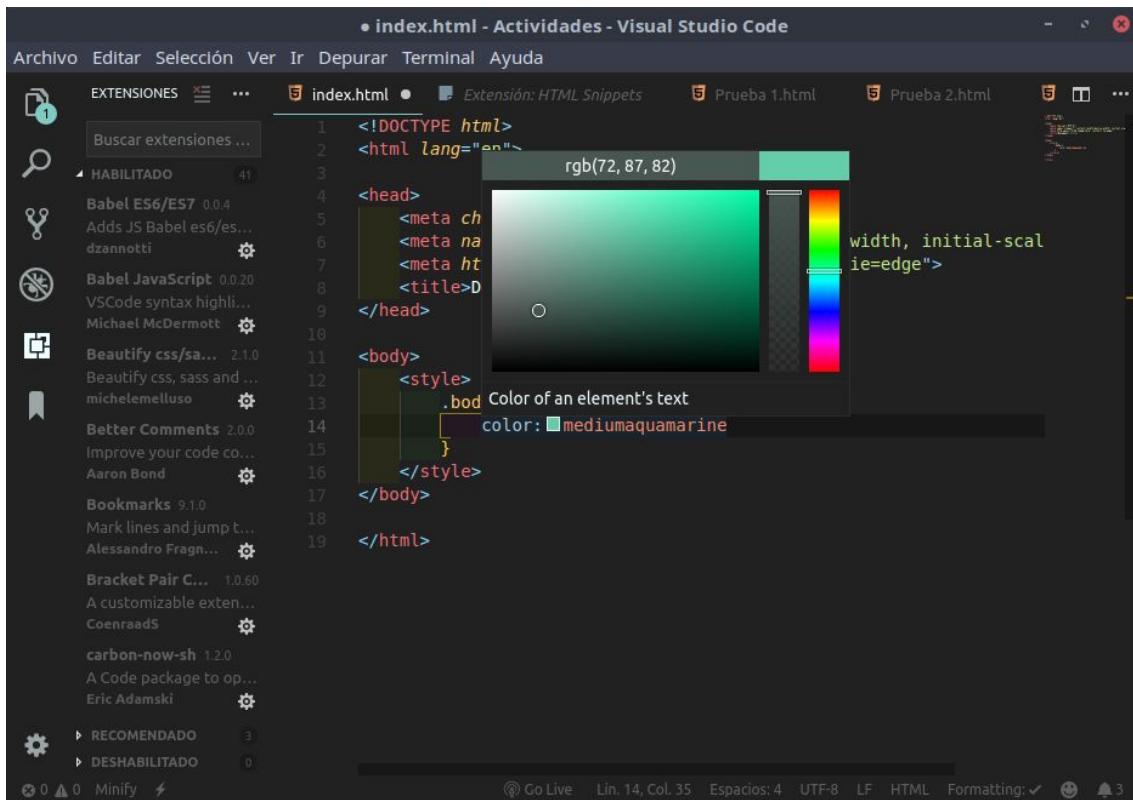
This screenshot is identical to the one above, showing the same Visual Studio Code interface and the same HTML code in the editor. The cursor is again positioned at the end of the opening `<header>` tag. The status bar at the bottom indicates "Lin. 10, Col. 13" and "Formatting: ✓".

Inserción de color y uso de color picker:



The screenshot shows the Visual Studio Code interface with the file 'index.html' open. In the code editor, at line 14, there is a CSS rule for '.body' with a 'color' property set to '#mediumaquamarine'. A color picker dialog is open over the color value, displaying the hex code '#66cdaa' and the RGB value 'rgb(72, 87, 82)'. The color preview shows a medium aquamarine shade.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
</head>
<body>
    <style>
        .body {
            color: #mediumaquamarine
        }
    </style>
</body>
</html>
```

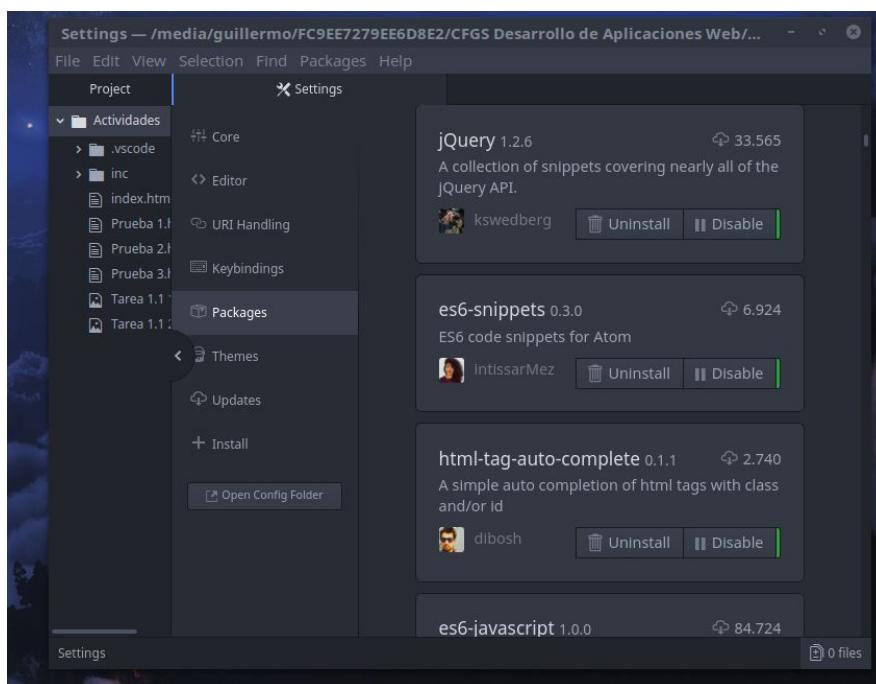
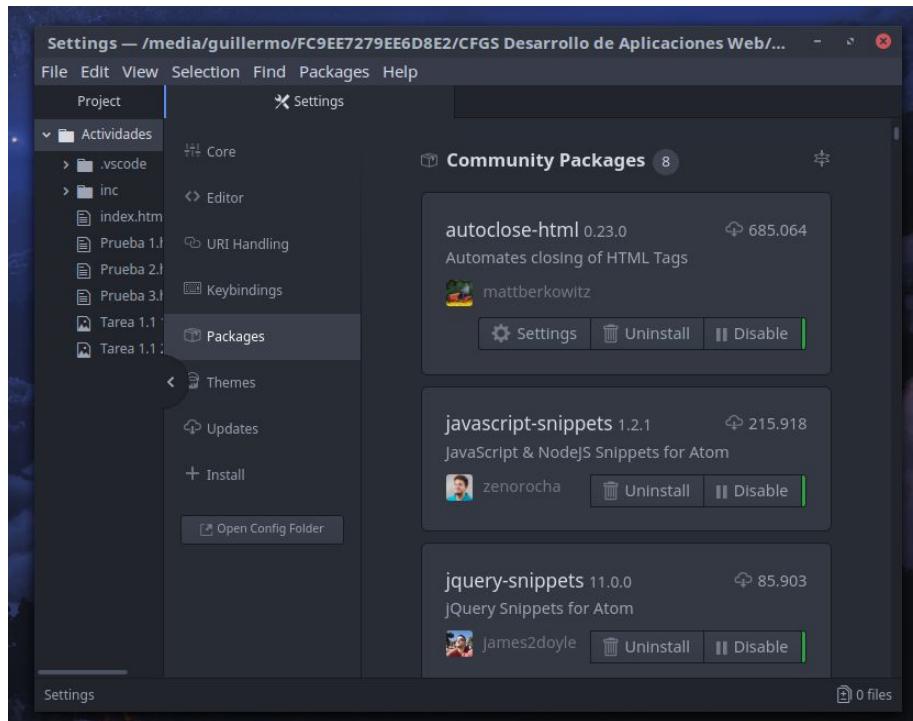


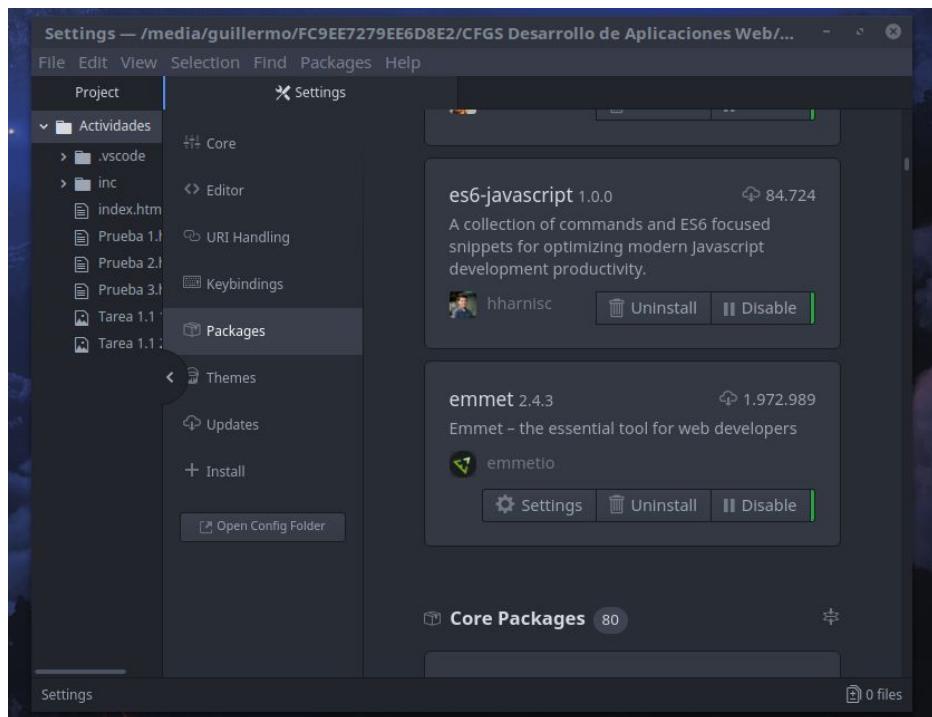
This screenshot is similar to the previous one, but the color picker dialog is now closed. The color value '#mediumaquamarine' has been replaced by its corresponding RGB value 'rgb(72, 87, 82)' in the code editor. The rest of the code remains the same, showing the CSS rule for the '.body' selector.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
</head>
<body>
    <style>
        .body {
            color: rgb(72, 87, 82)
        }
    </style>
</body>
</html>
```

En Atom

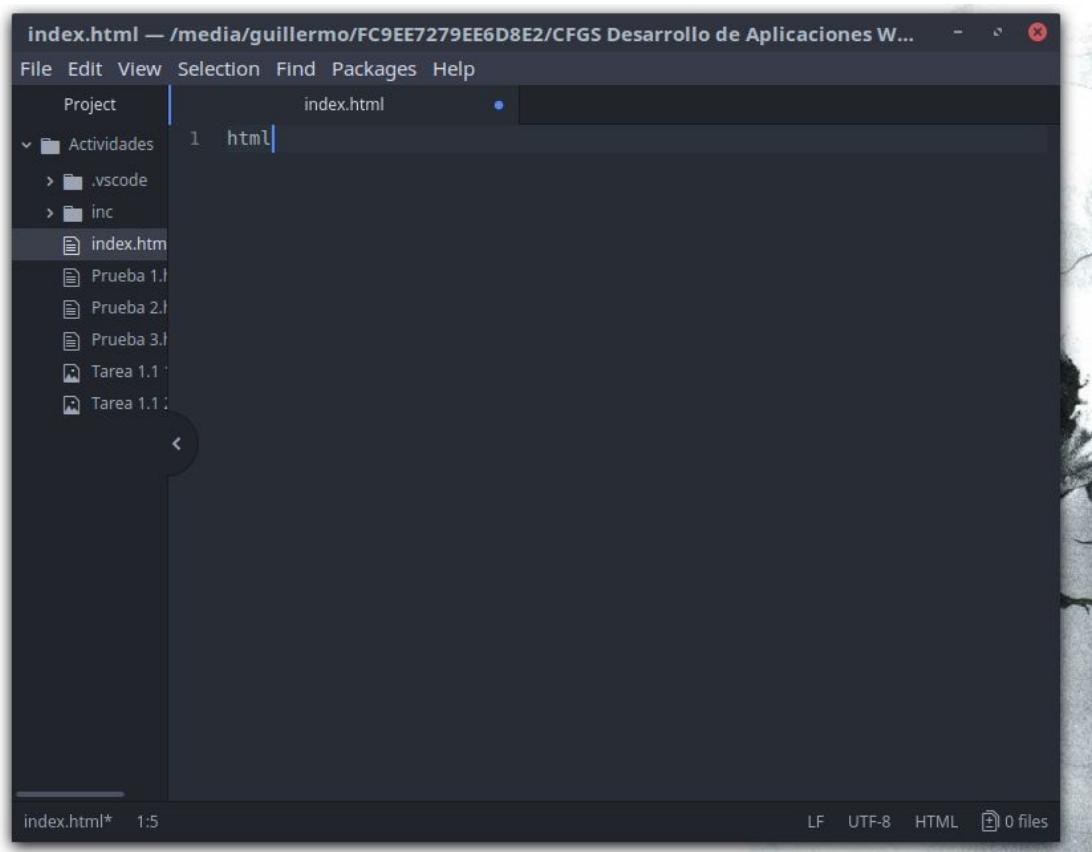
Plugins instalados:



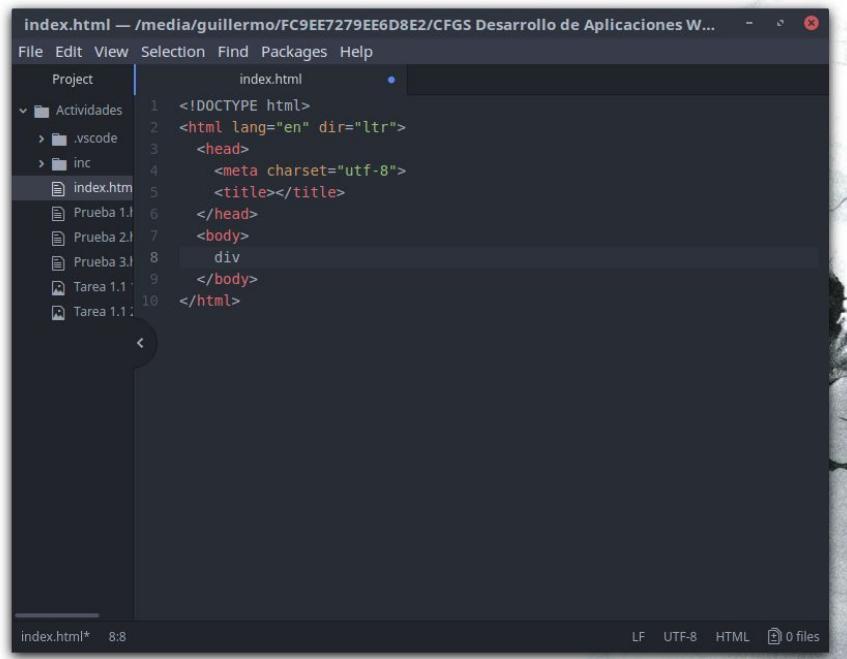


Atajos:

Estructura HTML:



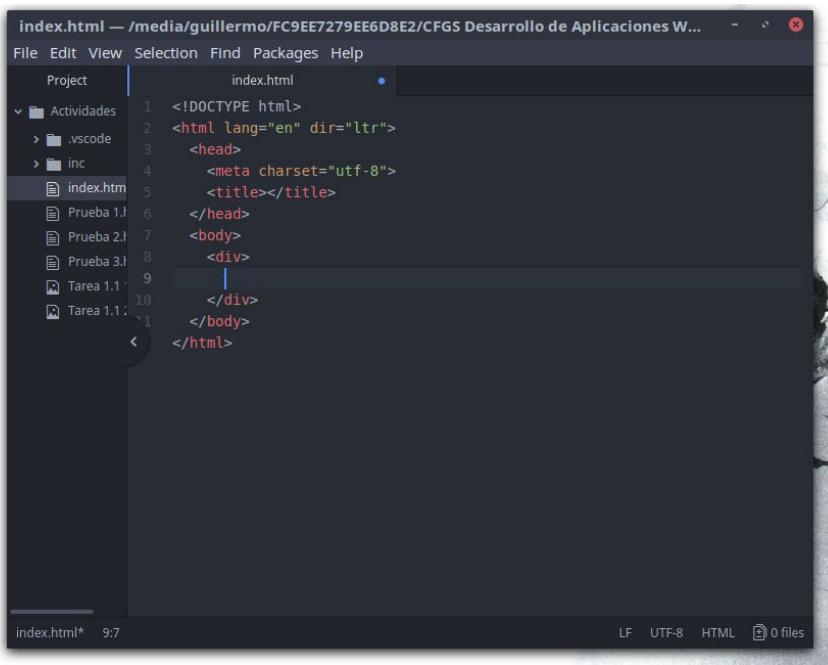
Autocompletado y cierre de etiquetas:



Screenshot of the VS Code interface showing the autocompletion of an HTML tag. The code editor displays the following HTML file:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="utf-8">
<title></title>
</head>
<body>
<div>
```

The cursor is positioned at the start of the closing tag for the `div` element (line 8, character 1). A dropdown menu is open, showing suggestions for closing tags, including `</div>`. The status bar at the bottom shows the file name as `index.html*` and the line number as `8:8`.

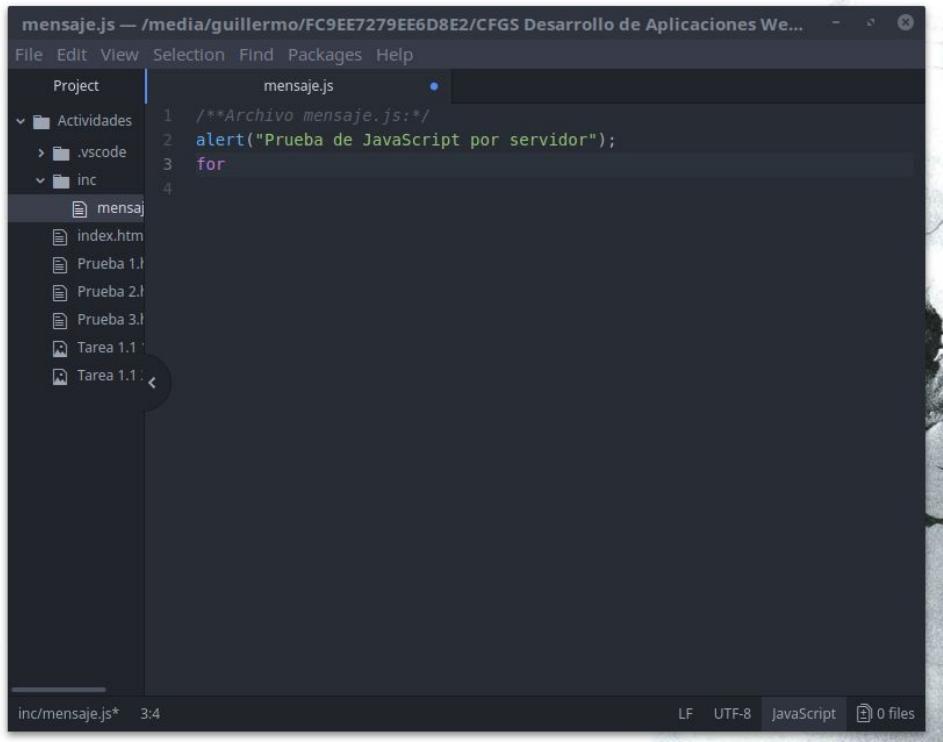


Screenshot of the VS Code interface showing the completion of an HTML tag. The code editor displays the following HTML file:

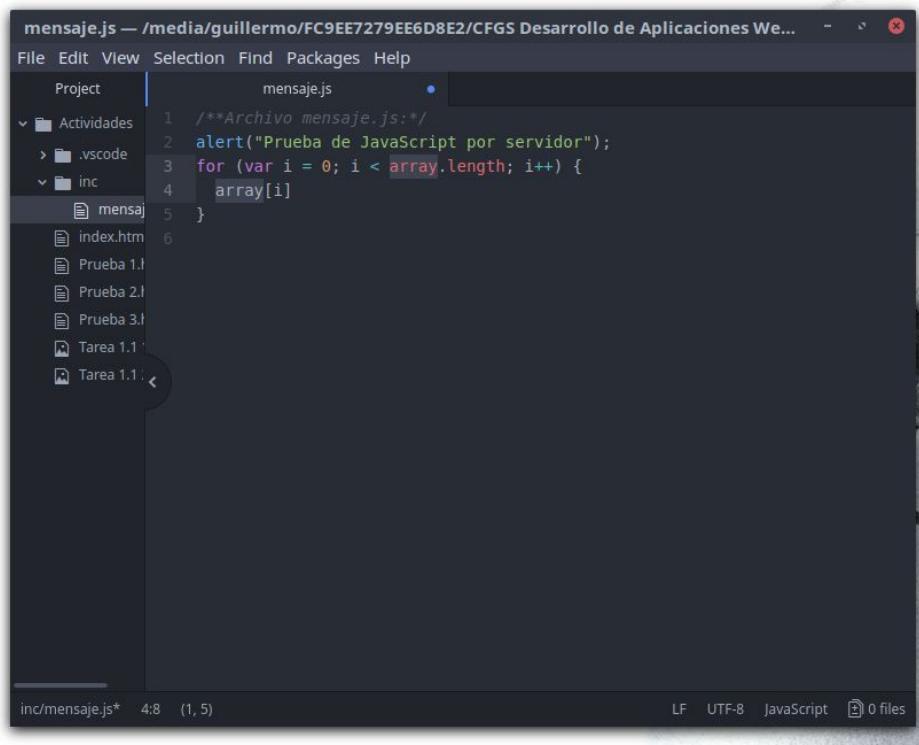
```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="utf-8">
<title></title>
</head>
<body>
<div>
```

The cursor is positioned at the start of the closing tag for the `div` element (line 8, character 1). A dropdown menu is open, showing suggestions for closing tags, including `</div>`. The status bar at the bottom shows the file name as `index.html*` and the line number as `9:7`.

Autocompletado en js:



A screenshot of the Visual Studio Code interface. The title bar says "mensaje.js — /media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones We...". The menu bar includes File, Edit, View, Selection, Find, Packages, and Help. The left sidebar shows a project structure with "Actividades" expanded, containing ".vscode" and "inc". Inside "inc", there are files: "index.htm", "Prueba 1.", "Prueba 2.", "Prueba 3.", "Tarea 1.1", and "Tarea 1.1". A file named "mensaje.js" is open in the main editor area. The code contains the following lines:`1 /**Archivo mensaje.js*/
2 alert("Prueba de JavaScript por servidor");
3 for`The word "array" is being typed in the fourth line, and a code completion dropdown menu is visible, listing suggestions like "array", "arrayBuffer", "arrayBufferSync", "arrayFrom", "arraySync", and "arraySlice". The status bar at the bottom shows "inc/mensaje.js*" and "3:4".



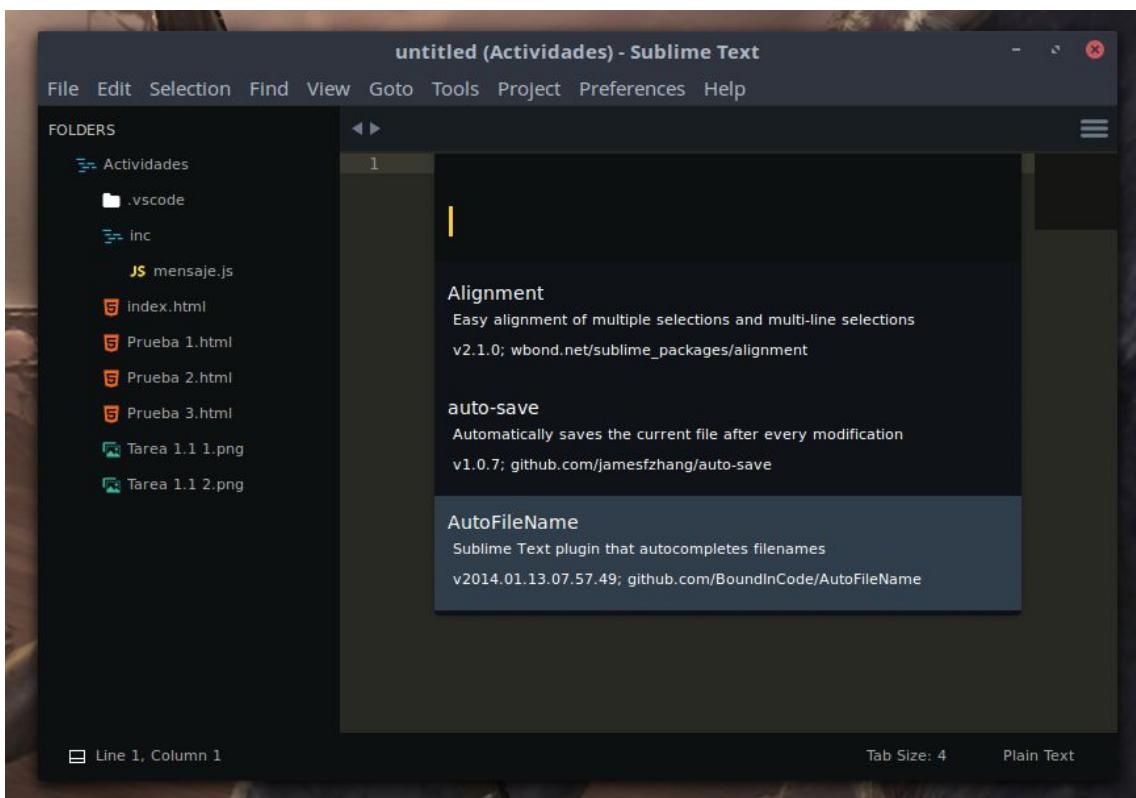
A screenshot of the Visual Studio Code interface, identical to the one above but with a cursor placed on the letter 'a' in the word "array" from the fourth line of the code.

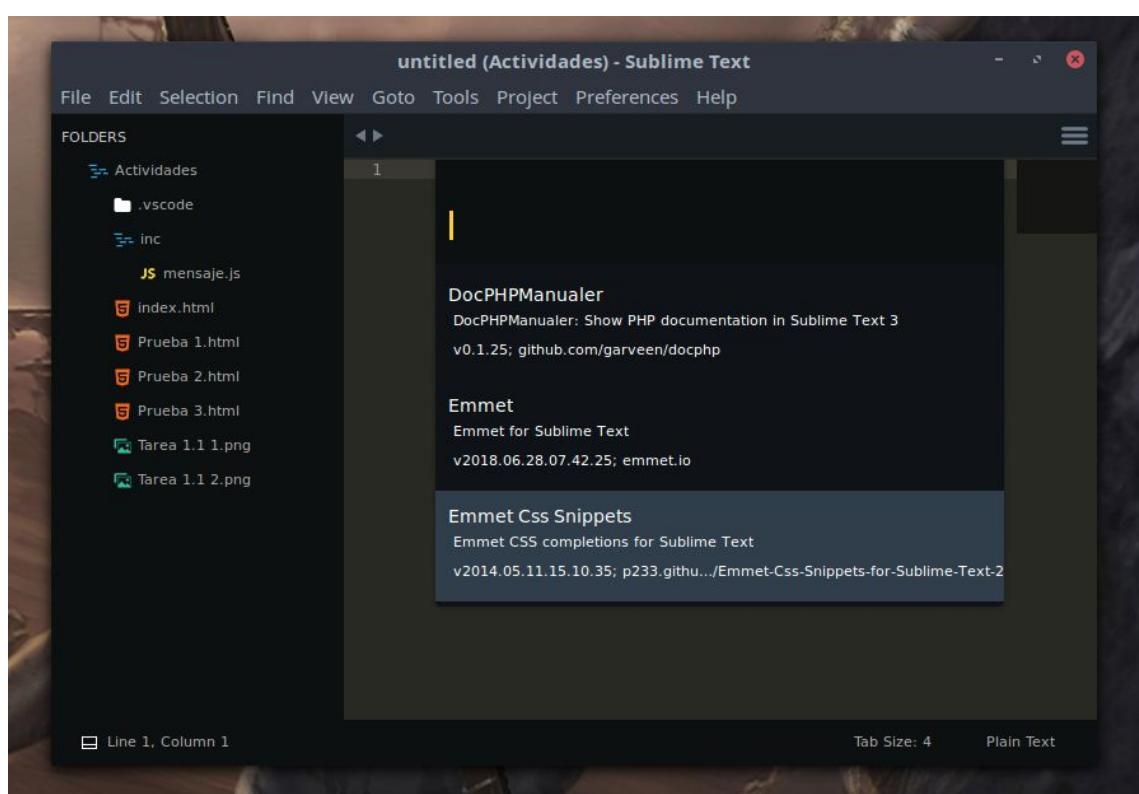
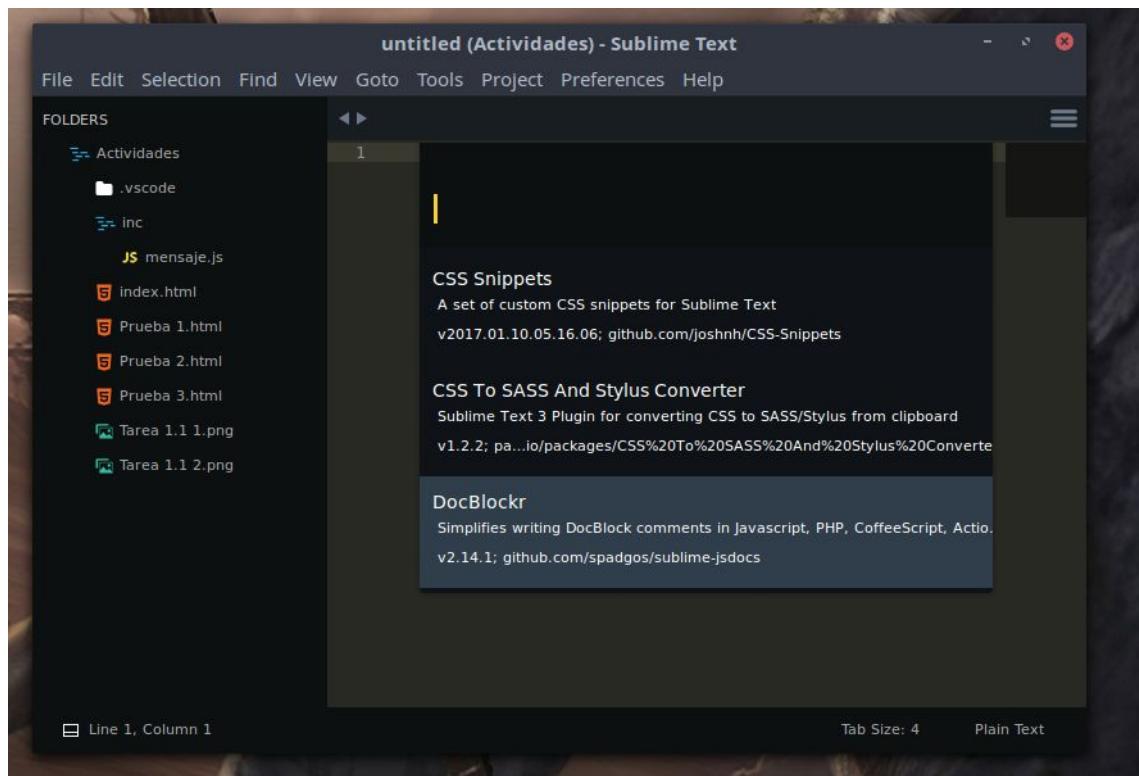
```
1  /**Archivo mensaje.js*/
2  alert("Prueba de JavaScript por servidor");
3  for (var i = 0; i < array.length; i++) {
4      array[i]
```

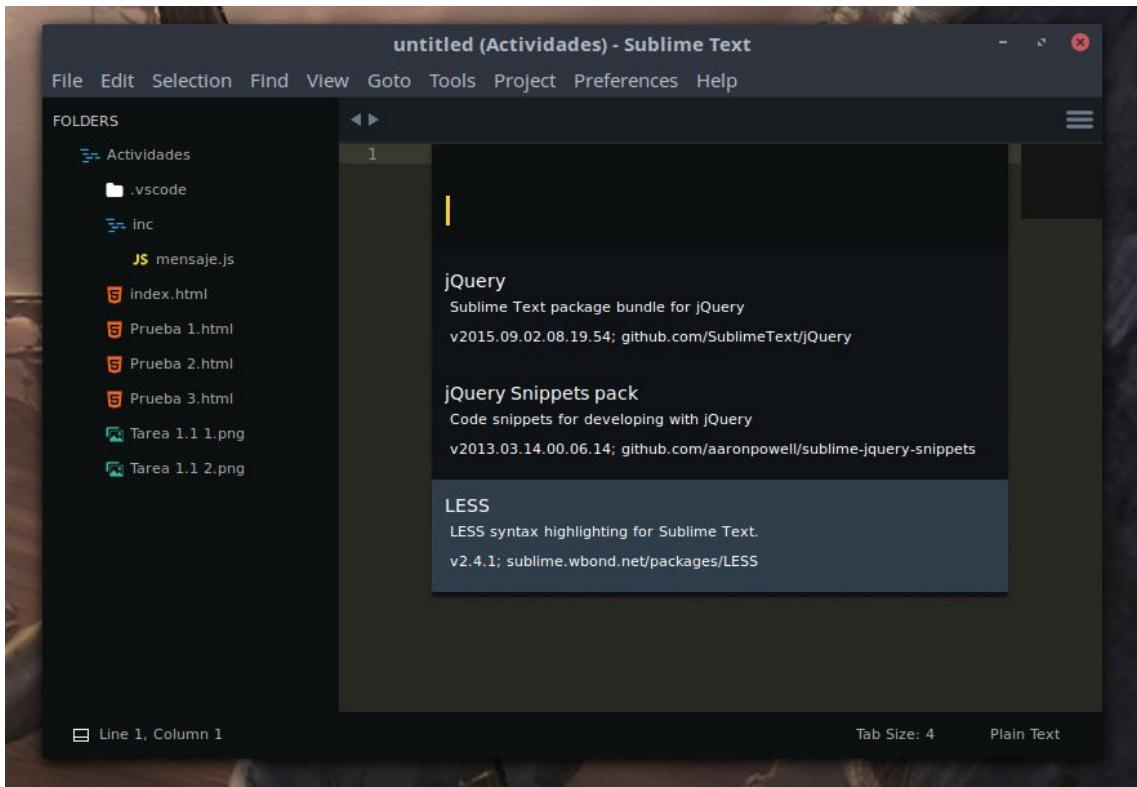
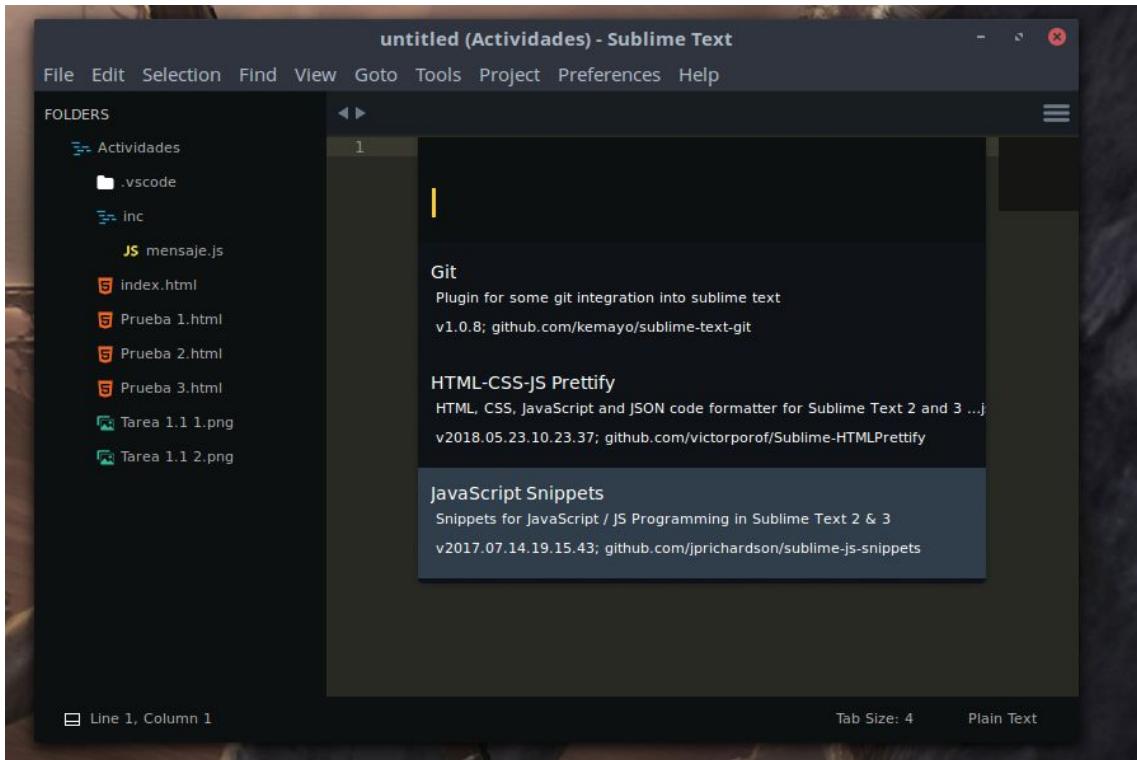
The status bar at the bottom shows "inc/mensaje.js*" and "4:8 (1, 5)".

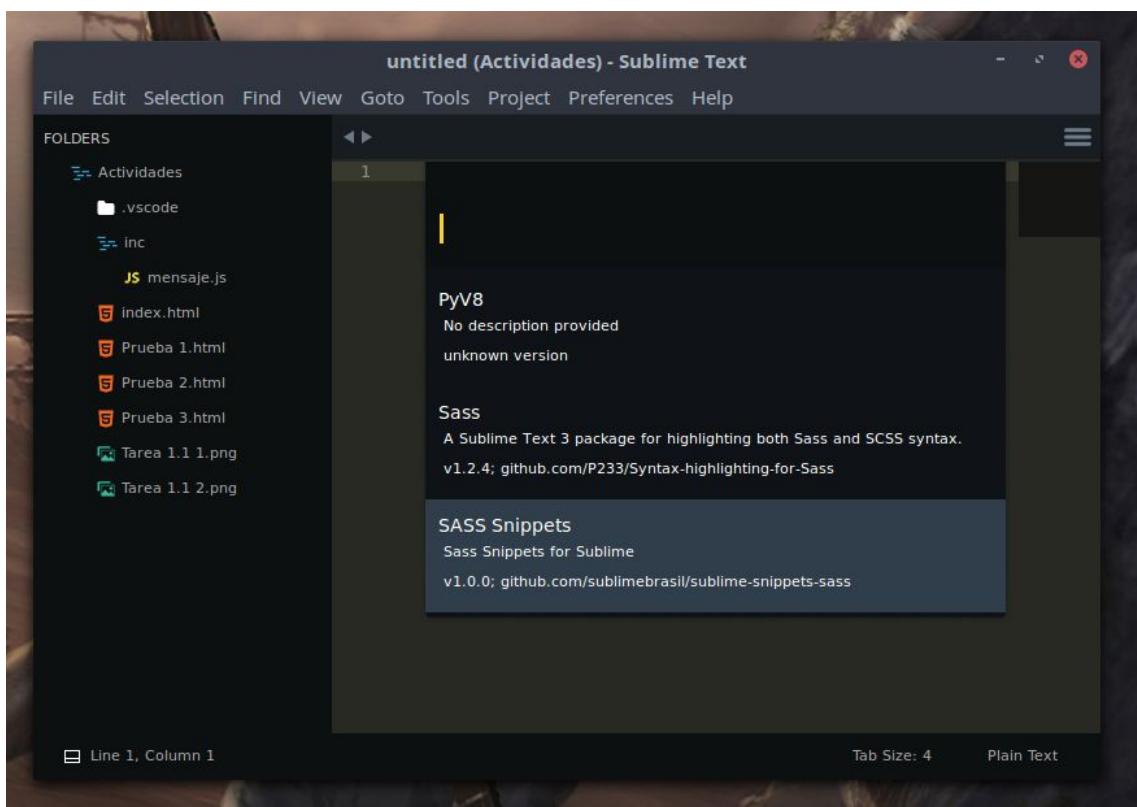
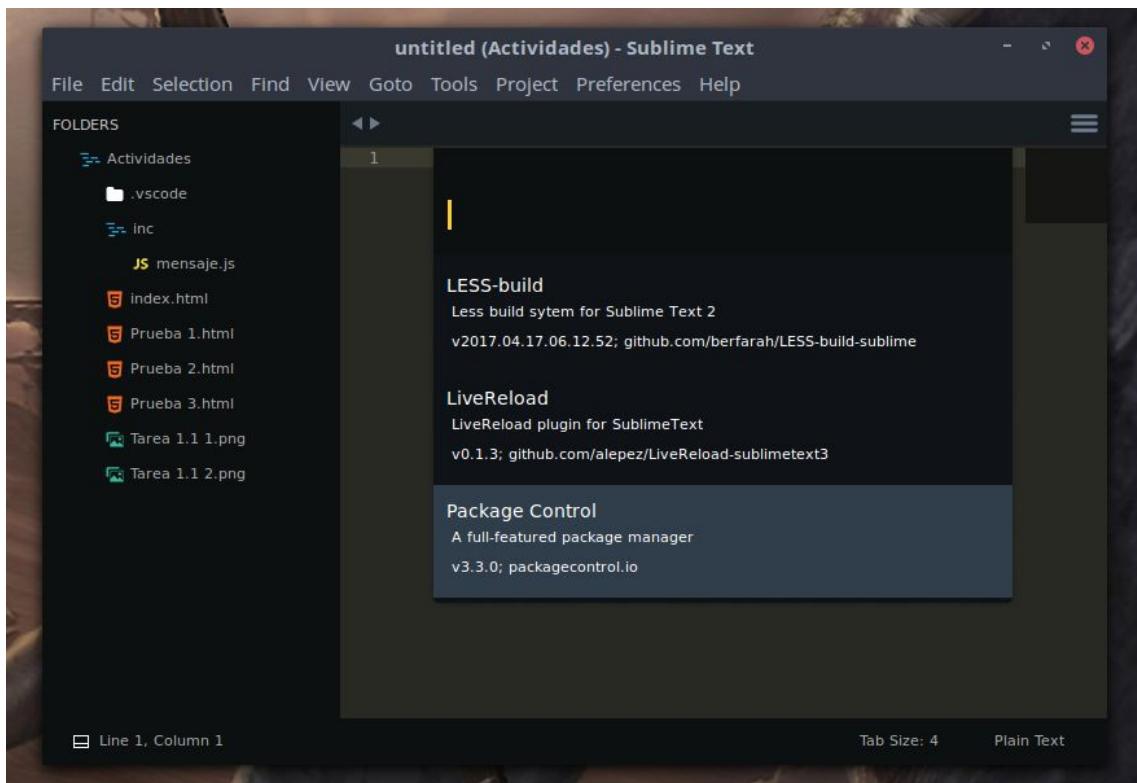
En Sublime Text 3

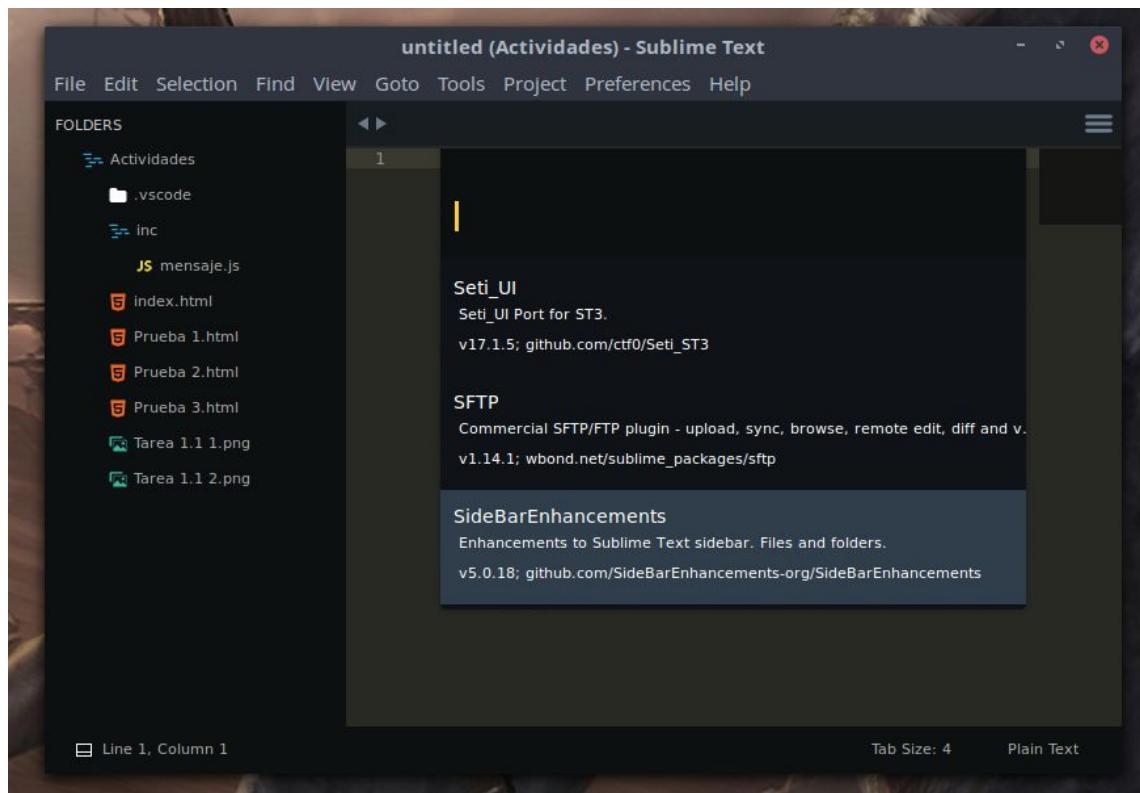
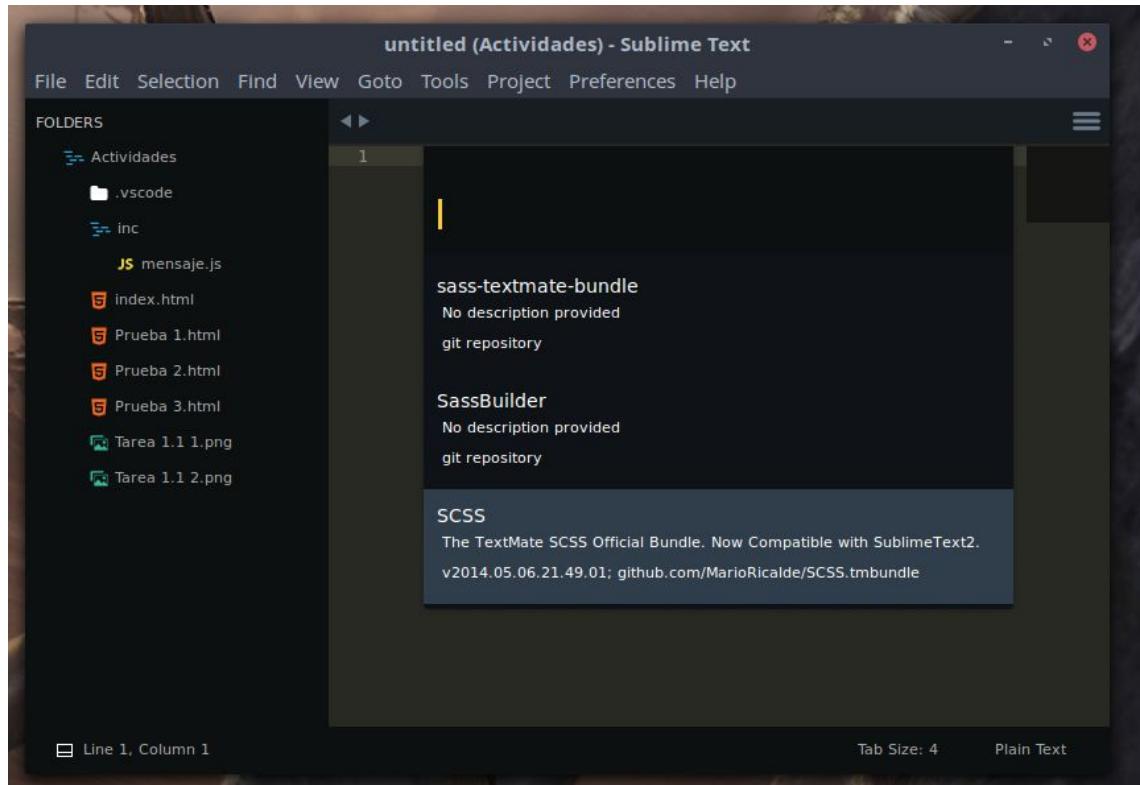
Plugins instalados:

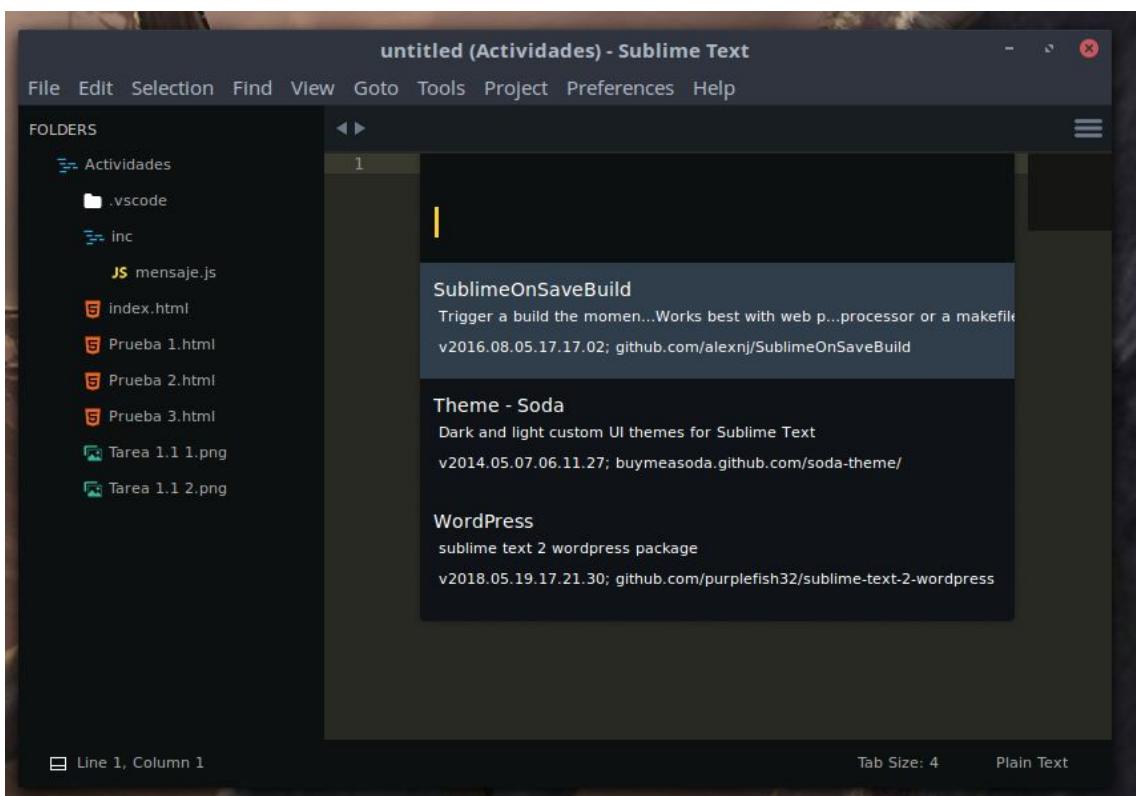
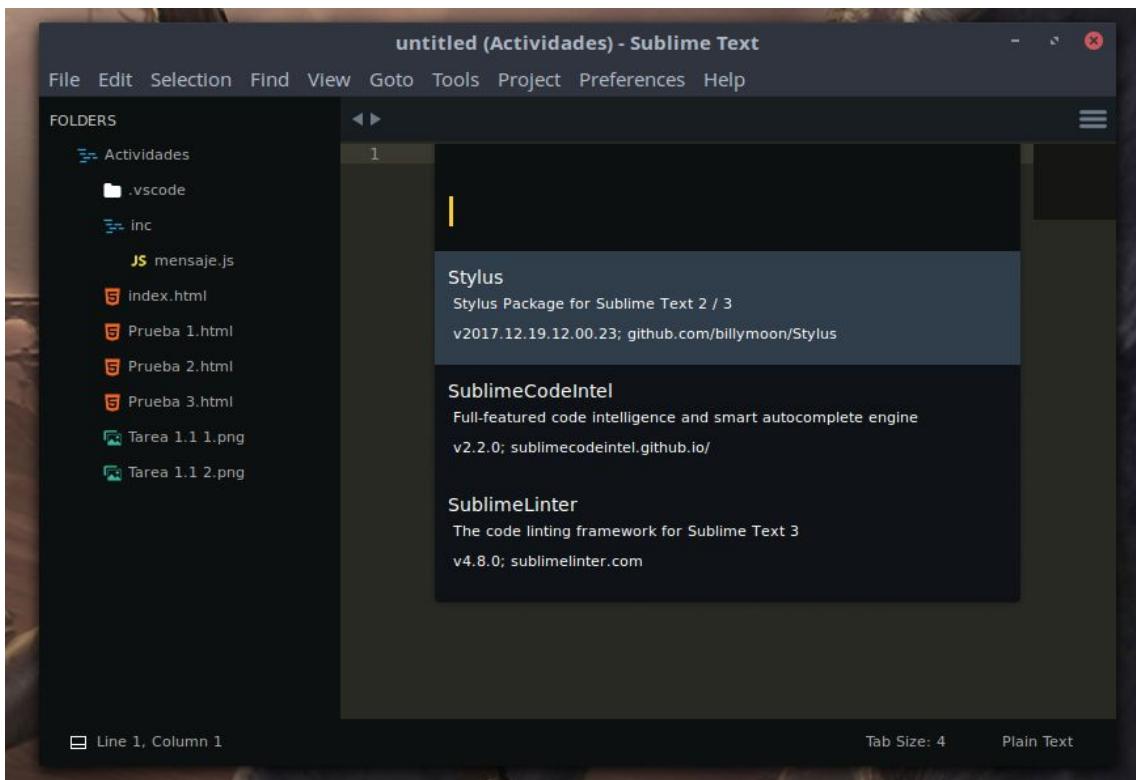


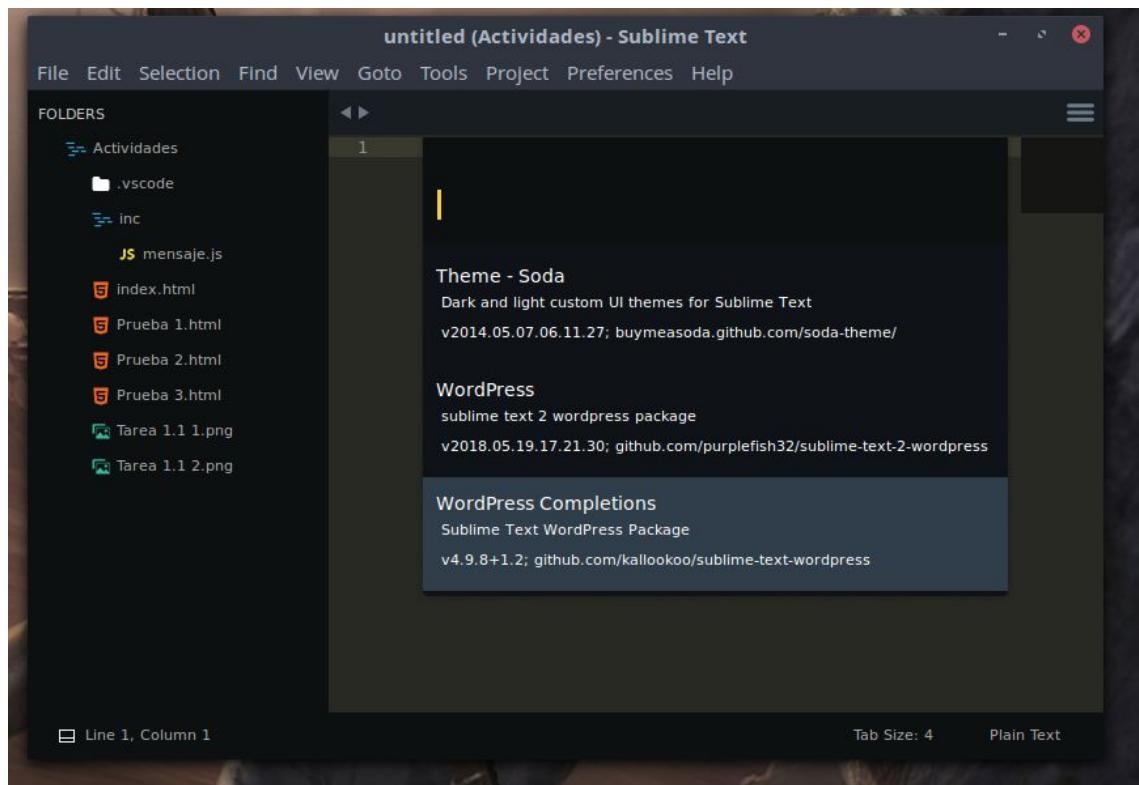






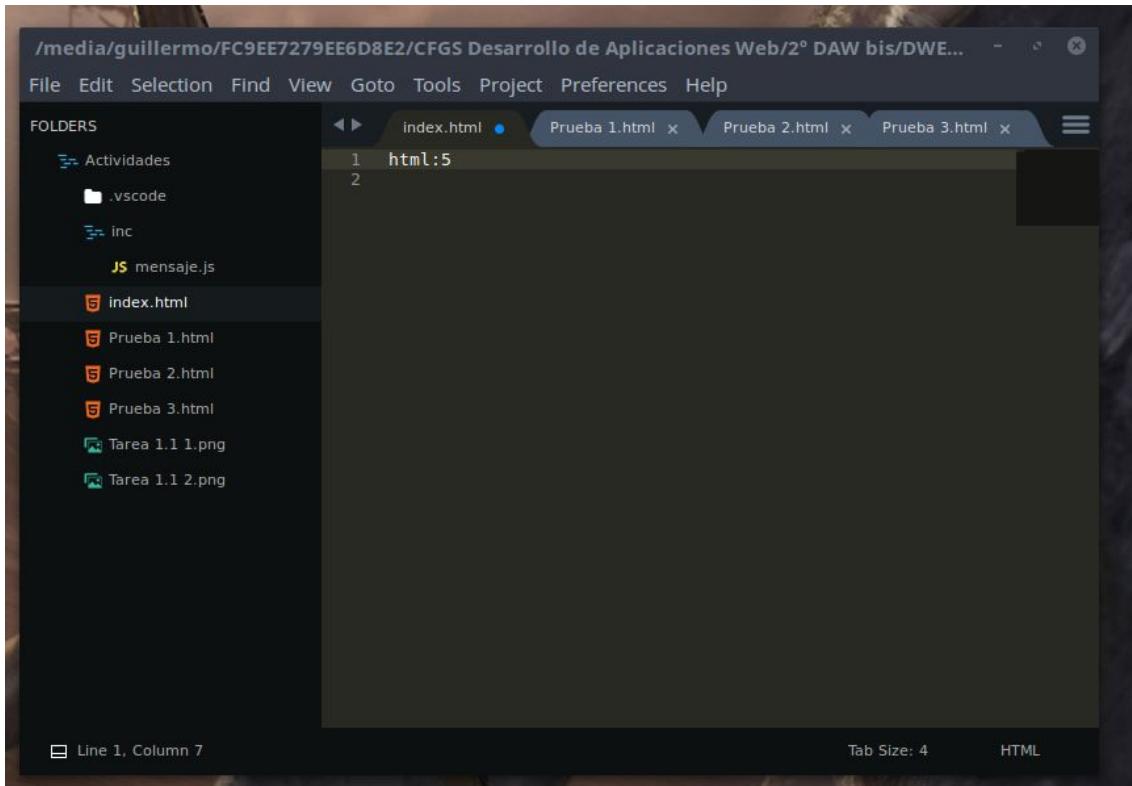




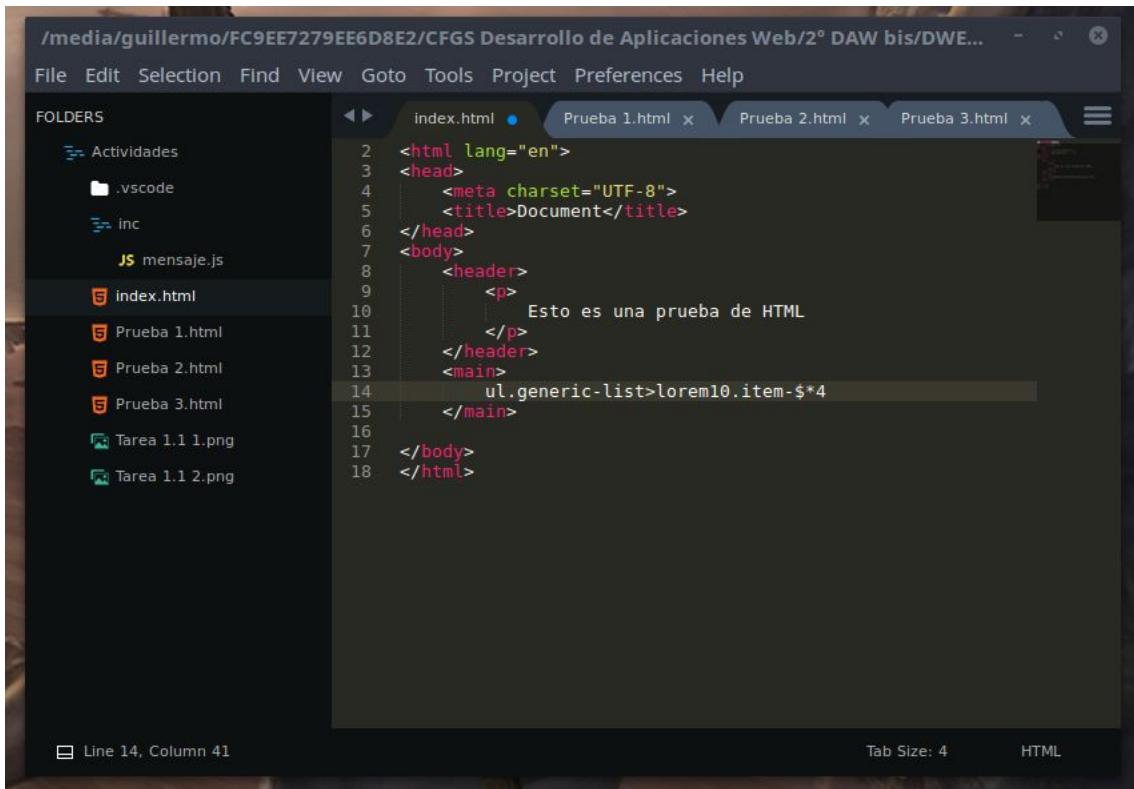


Atajos:

Creación de estructura HTML5:



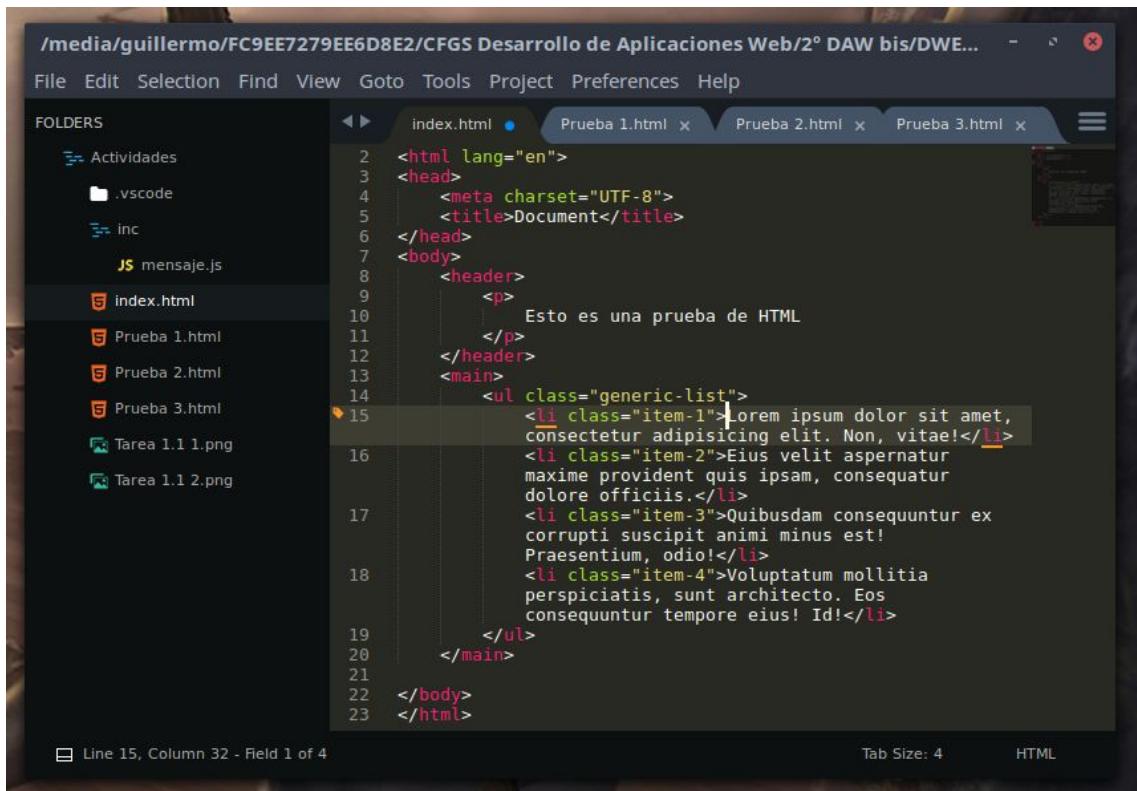
Uso de emmet para construir HTML:



The screenshot shows the VS Code interface with the file `index.html` open. The code editor displays the following HTML structure:

```
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Document</title>
6 </head>
7 <body>
8   <header>
9     <p>
10    Esto es una prueba de HTML
11  </p>
12 </header>
13 <main>
14   ul.generic-list>lorem10.item-$*4
15 </main>
16
17 </body>
18 </html>
```

The cursor is at line 14, column 41, under the text "ul.generic-list". The status bar indicates "Line 14, Column 41", "Tab Size: 4", and "HTML".

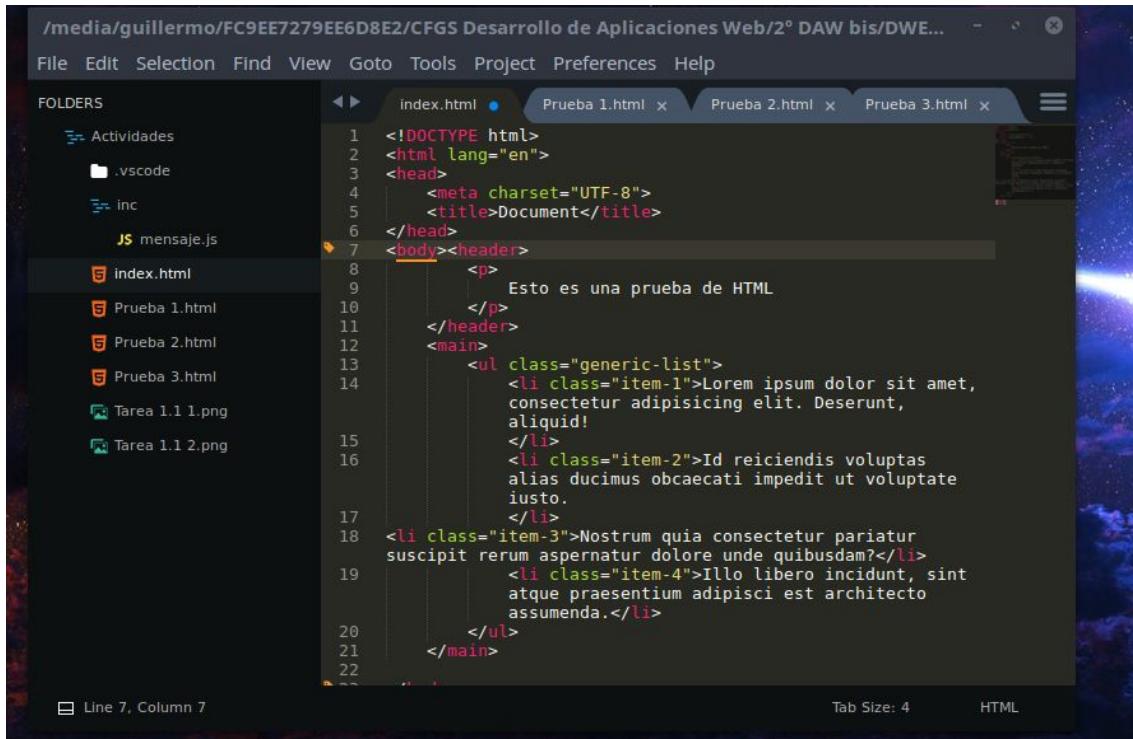


The screenshot shows the VS Code interface with the file `index.html` open. The code editor displays the following HTML structure, showing the result of an Emmet expansion:

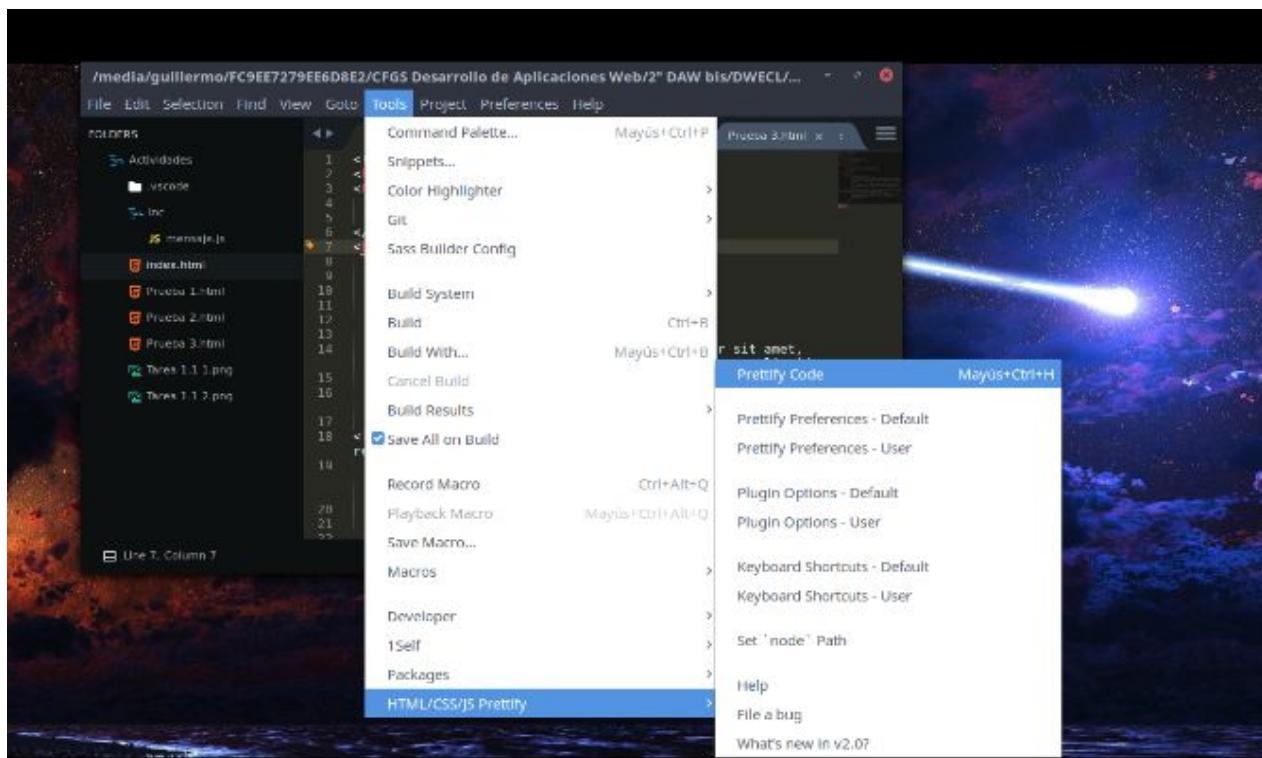
```
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Document</title>
6 </head>
7 <body>
8   <header>
9     <p>
10    Esto es una prueba de HTML
11  </p>
12 </header>
13 <main>
14   <ul class="generic_list">
15     <li class="item-1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Non, vitae!</li>
16     <li class="item-2">Eius velit aspernatur maxime provident quis ipsam, consequatur dolore officiis.</li>
17     <li class="item-3">Quibusdam consequuntur ex corrupti suscipit animi minus est! Praesentium, odio!</li>
18     <li class="item-4">Voluptatum mollitia perspiciatis, sunt architecto. Eos consequuntur tempore eius! Id!</li>
19   </ul>
20 </main>
21
22 </body>
23 </html>
```

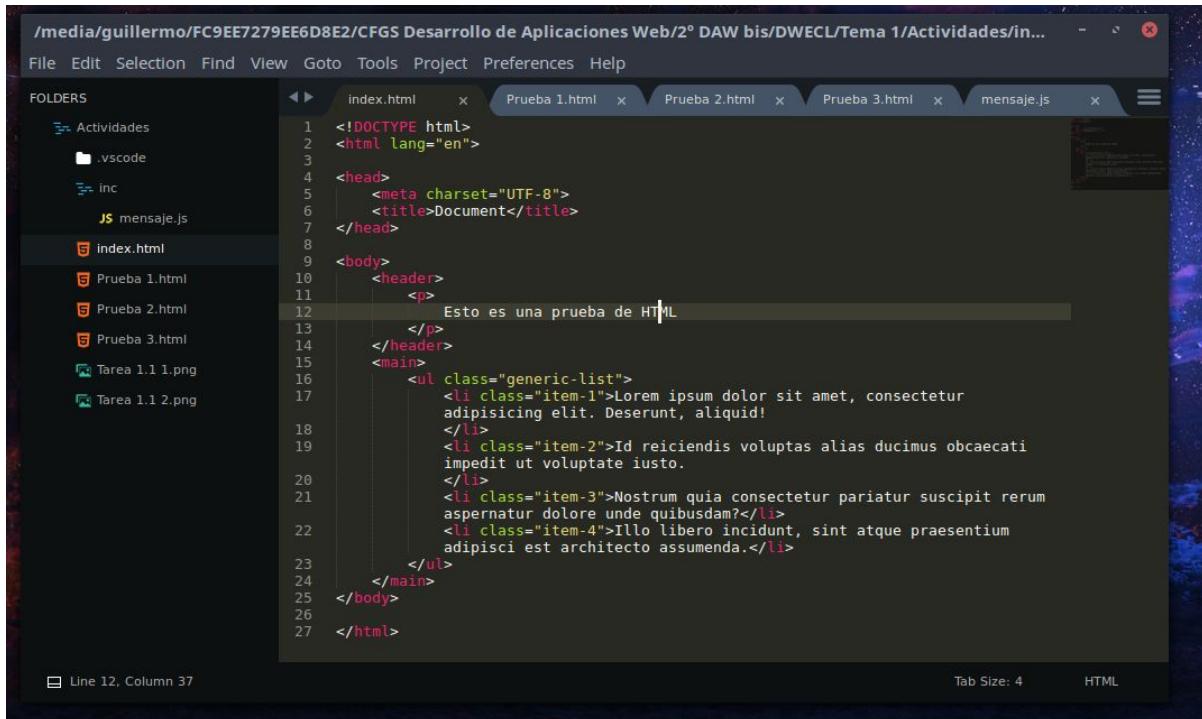
The cursor is at line 15, column 32 - Field 1 of 4. The status bar indicates "Line 15, Column 32 - Field 1 of 4", "Tab Size: 4", and "HTML".

Embellimiento automático de código (prettify):



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
</head>
<body><header>
    <p>Esto es una prueba de HTML</p>
    </header>
    <main>
        <ul class="generic-list">
            <li class="item-1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Deserunt, aliquid!
            </li>
            <li class="item-2">Id reiciendis voluptas alias ducimus obcaecati impedit ut voluptate iusto.
            </li>
            <li class="item-3">Nostrum quia consectetur pariatur suscipit rerum aspernatur dolore unde quibusdam?
            </li>
            <li class="item-4">Illo libero incidunt, sint atque praesentium adipisci est architecto assumenda.
            </li>
        </ul>
    </main>
</body>
```

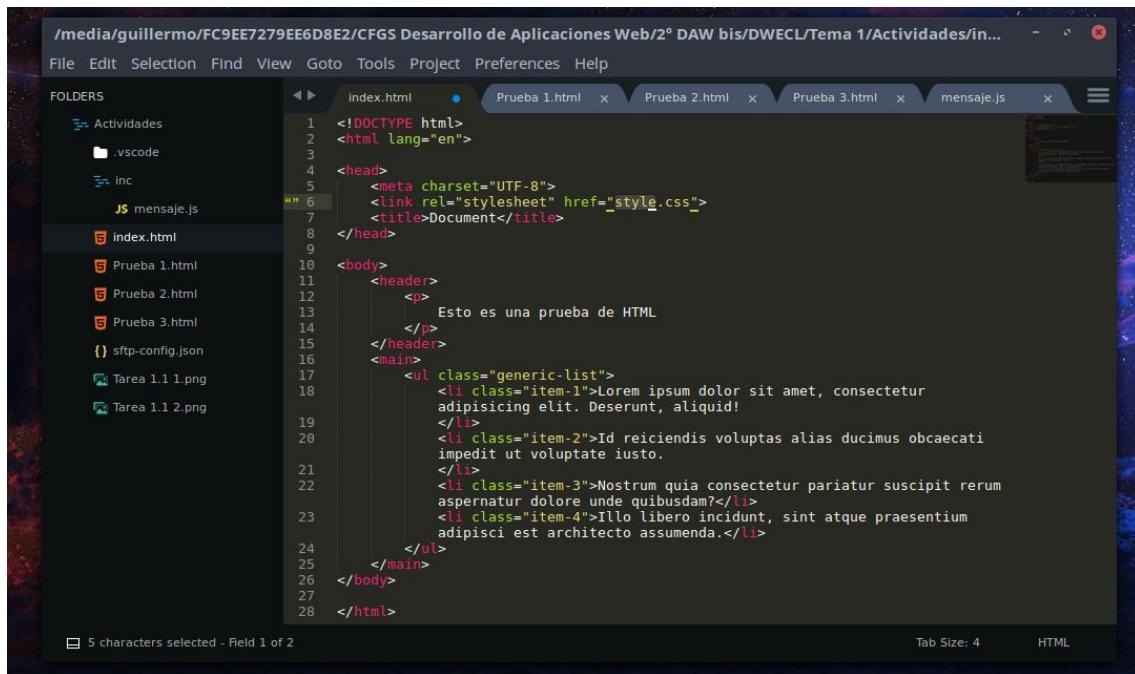




The screenshot shows a dark-themed version of VS Code. The left sidebar displays a file tree with folders like 'Actividades' and files such as 'index.html', 'Prueba 1.html', 'Prueba 2.html', 'Prueba 3.html', and 'mensaje.js'. The main editor area shows an HTML file with Emmet expansion. The code starts with a DOCTYPE declaration and an HTML tag. It includes a head section with meta charset and title tags. The body section begins with a header containing a paragraph with the text 'Esto es una prueba de HTML'. Below the header is a main section containing an ul element with four li items. The fourth li item contains a nested ul. The entire code is numbered from 1 to 27. A status bar at the bottom indicates 'Line 12, Column 37' and 'Tab Size: 4 HTML'.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
</head>
<body>
    <header>
        <p>Esto es una prueba de HTML</p>
    </header>
    <main>
        <ul class="generic-list">
            <li class="item-1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Deserunt, aliquid!</li>
            <li class="item-2">Id reiciendis voluptas alias ducimus obcaecati impedit ut voluptate iusto.</li>
            <li class="item-3">Nostrum quia consectetur pariatur suscipit rerum aspernatur dolore unde quibusdam?</li>
            <li class="item-4">Illo libero incidunt, sint atque praesentium adipisci est architecto assumenda.</li>
        </ul>
    </main>
</body>
</html>
```

Más atajos con emmet.



This screenshot shows the same setup as the first one, but with a linked stylesheet in the head section. The code now includes a link tag with a href attribute set to '_style.css'. The rest of the document structure and content remain the same, demonstrating how Emmet can handle more complex templates by including external resources.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <link rel="stylesheet" href="_style.css">
    <title>Document</title>
</head>
<body>
    <header>
        <p>Esto es una prueba de HTML</p>
    </header>
    <main>
        <ul class="generic-list">
            <li class="item-1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Deserunt, aliquid!</li>
            <li class="item-2">Id reiciendis voluptas alias ducimus obcaecati impedit ut voluptate iusto.</li>
            <li class="item-3">Nostrum quia consectetur pariatur suscipit rerum aspernatur dolore unde quibusdam?</li>
            <li class="item-4">Illo libero incidunt, sint atque praesentium adipisci est architecto assumenda.</li>
        </ul>
    </main>
</body>
</html>
```

The screenshot shows the Visual Studio Code interface with the following details:

- Title Bar:** /media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones Web/2º DAW bis/DWECL/Tema 1/Actividades/in...
- File Menu:** File Edit Selection Find View Goto Tools Project Preferences Help
- Folders View:** Shows a folder structure with 'Actividades' containing '.vscode', 'inc', 'JS mensaje.js', 'index.html', 'Prueba 1.html', 'Prueba 2.html', 'Prueba 3.html', and two 'Tarea 1.1' files.
- Code Editor:** The 'index.html' tab is active, displaying the following HTML code:

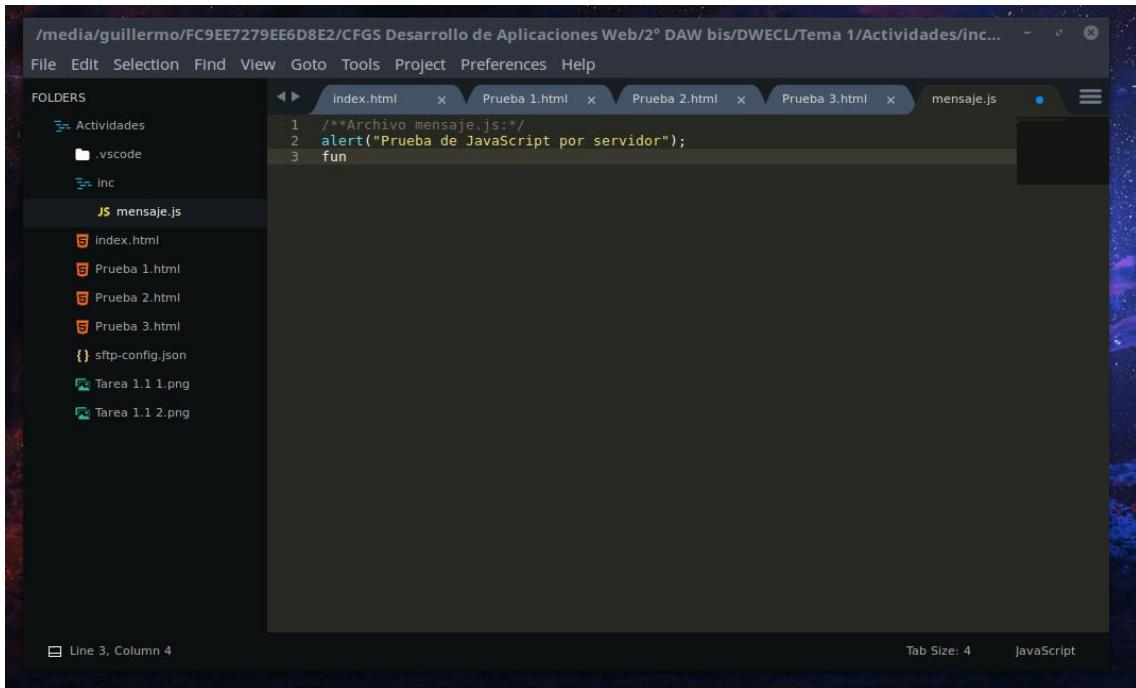
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <link href="style.css" type="text/css" rel="stylesheet"/>
    <title>Document</title>
</head>
<body>
    <header>
        <p> Esto es una prueba de HTML </p>
    </header>
    <main>
        <ul class="generic-list">
            <li class="item-1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Deserunt, aliquid!
            </li>
            <li class="item-2">Id reiciendis voluptas alias ducimus obcaecati impedit ut voluptate iusto.
            </li>
            <li class="item-3">Nostrum quia consectetur pariatur suscipit rerum aspernatur dolore unde quibusdam!
            </li>
            <li class="item-4">Illo libero incidunt, sint atque praesentium adipisci est architecto assumenda.
            </li>
        </ul>
    </main>
</body>
</html>
```
- Status Bar:** Line 6, Column 13, Tab Size: 4, HTML

The screenshot shows the Visual Studio Code interface with the following details:

- Title Bar:** /media/guillermo/FC9EE7279EE6D8E2/CFG5 Desarrollo de Aplicaciones Web/2º DAW bis/DWECL/Tema 1/Actividades/in...
- File Menu:** File Edit Selection Find View Goto Tools Project Preferences Help
- Folders View:** Shows a folder structure with 'Actividades' containing '.vscode', 'inc', 'JS mensaje.js', 'index.html', 'Prueba 1.html', 'Prueba 2.html', 'Prueba 3.html', and two 'Tarea 1.1' files.
- Code Editor:** The 'index.html' tab is active, displaying the following HTML code. Line 7 is highlighted with a yellow background.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <link href="style.css" type="text/css" rel="stylesheet"/>
    <link href="favicon.ico" type="image/x-icon" rel="shortcut icon"/>
    <title>Document</title>
</head>
<body>
    <header>
        <p> Esto es una prueba de HTML </p>
    </header>
    <main>
        <ul class="generic-list">
            <li class="item-1">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Deserunt, aliquid!
            </li>
            <li class="item-2">Id reiciendis voluptas alias ducimus obcaecati impedit ut voluptate iusto.
            </li>
            <li class="item-3">Nostrum quia consectetur pariatur suscipit rerum aspernatur dolore unde quibusdam!
            </li>
            <li class="item-4">Illo libero incidunt, sint atque praesentium adipisci est architecto assumenda.
            </li>
        </ul>
    </main>
</body>
</html>
```
- Status Bar:** 11 characters selected - Field 1 of 2, Tab Size: 4, HTML

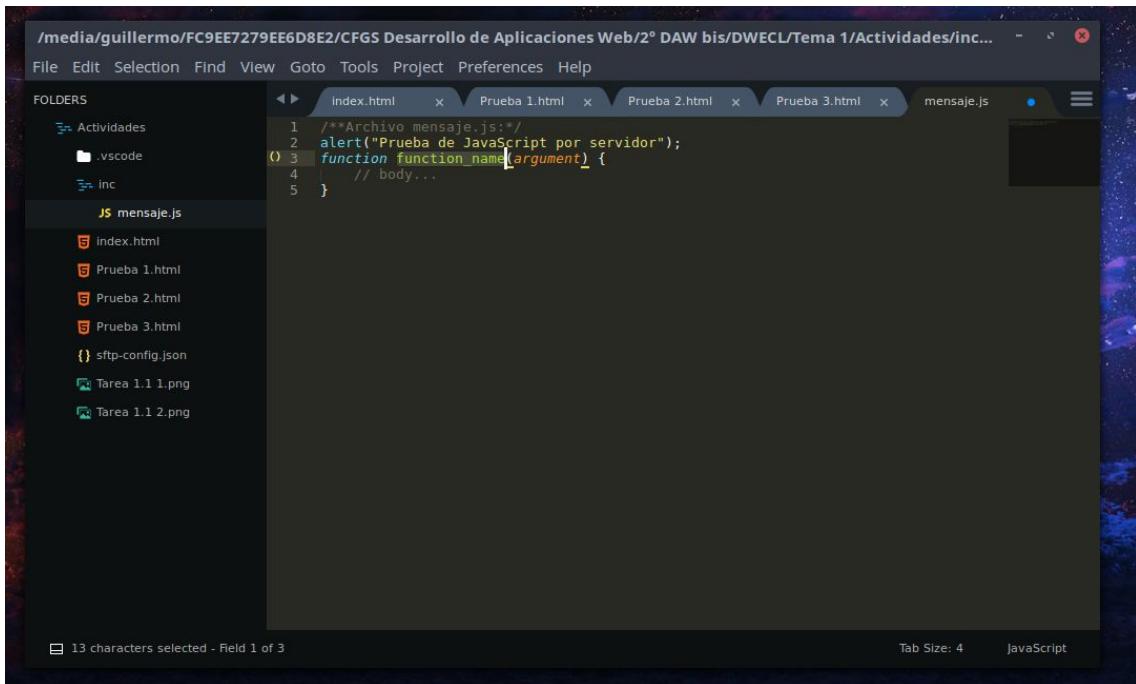
Autocompletado en js:



A screenshot of the Visual Studio Code interface. The left sidebar shows a file tree with several folders and files, including 'Actividades', '.vscode', 'inc', and 'JS mensaje.js'. The main editor area has five tabs at the top: 'index.html', 'Prueba 1.html', 'Prueba 2.html', 'Prueba 3.html', and 'mensaje.js'. The 'mensaje.js' tab is active, displaying the following code:

```
1  /**Archivo mensaje.js*/
2  alert("Prueba de JavaScript por servidor");
3  fun
```

The cursor is positioned at the start of the third line ('fun'). A tooltip at the bottom left indicates 'Line 3, Column 4'. At the bottom right, it says 'Tab Size: 4' and 'JavaScript'.



A screenshot of the Visual Studio Code interface, similar to the previous one but with a different code snippet. The main editor area has five tabs at the top: 'index.html', 'Prueba 1.html', 'Prueba 2.html', 'Prueba 3.html', and 'mensaje.js'. The 'mensaje.js' tab is active, displaying the following code:

```
1  /**Archivo mensaje.js*/
2  alert("Prueba de JavaScript por servidor");
3  function function_name(argument) {
4      // body...
5 }
```

The cursor is positioned at the start of the third line ('function') and the word 'argument' is highlighted with a red underline, indicating it is a suggestion from the code editor's completion feature. A tooltip at the bottom left indicates '13 characters selected - Field 1 of 3'. At the bottom right, it says 'Tab Size: 4' and 'JavaScript'.

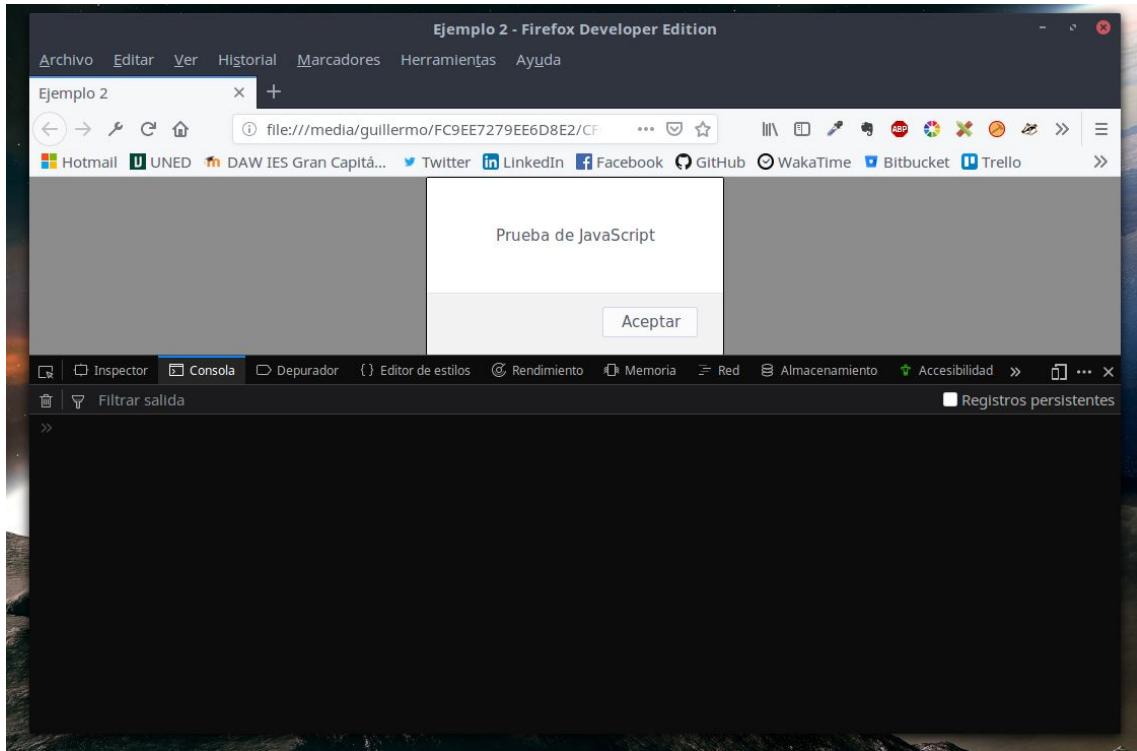
4. Accesos rápidos a las herramientas de desarrollo en los navegadores.

En este apartado se analizará el acceso rápido a las herramientas de desarrollo de tres navegadores, Firefox Developer, Google Chrome y Microsoft Edge.

En Firefox Developer:

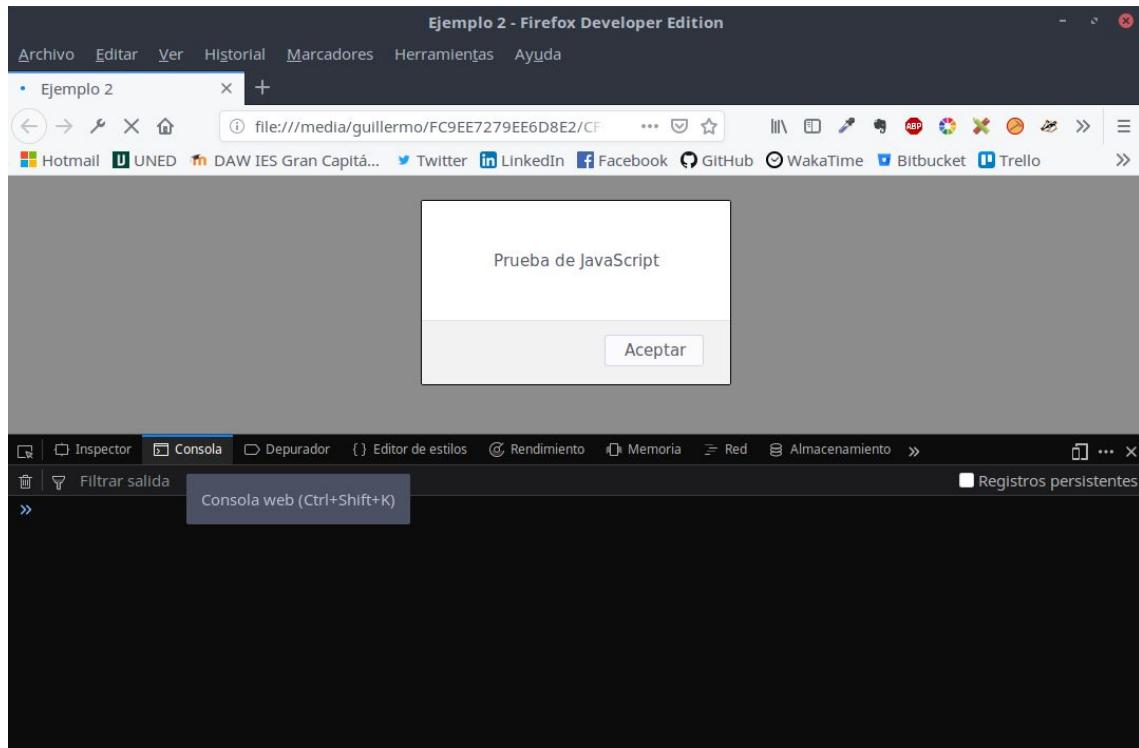
Teclas de acceso rápido que muestren las herramientas de desarrollo.

F12 o Ctrl + Shift + I



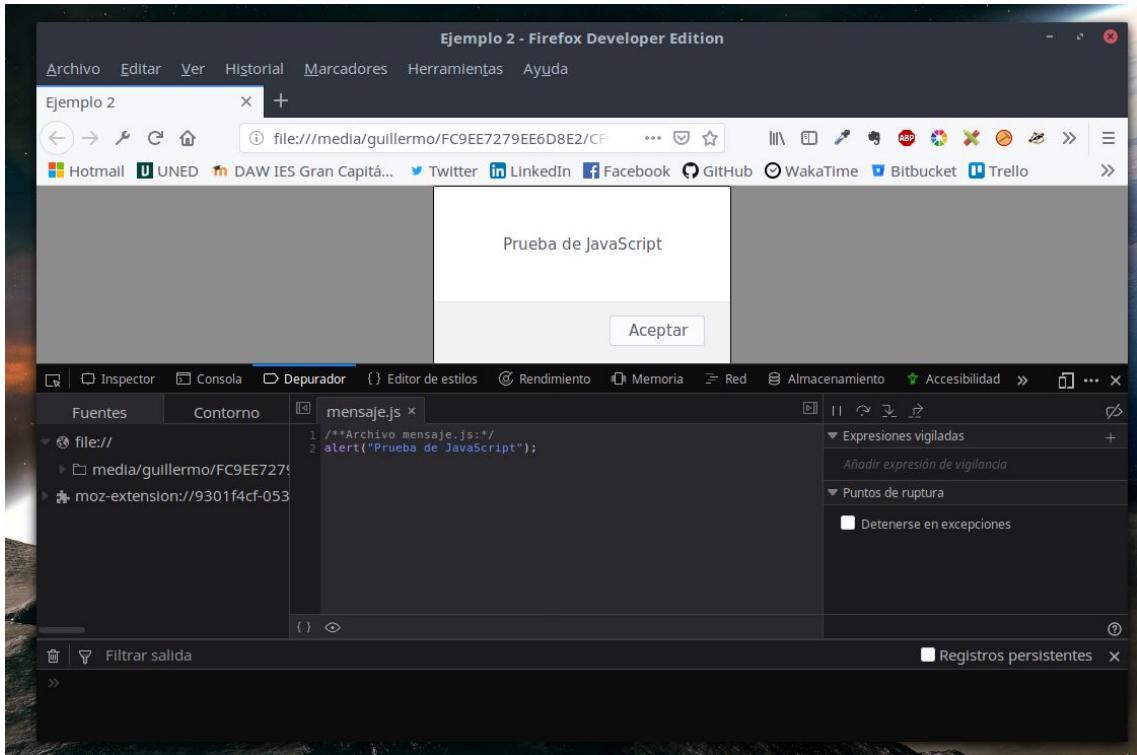
Acceso a la consola

Ctrl + Shift + K



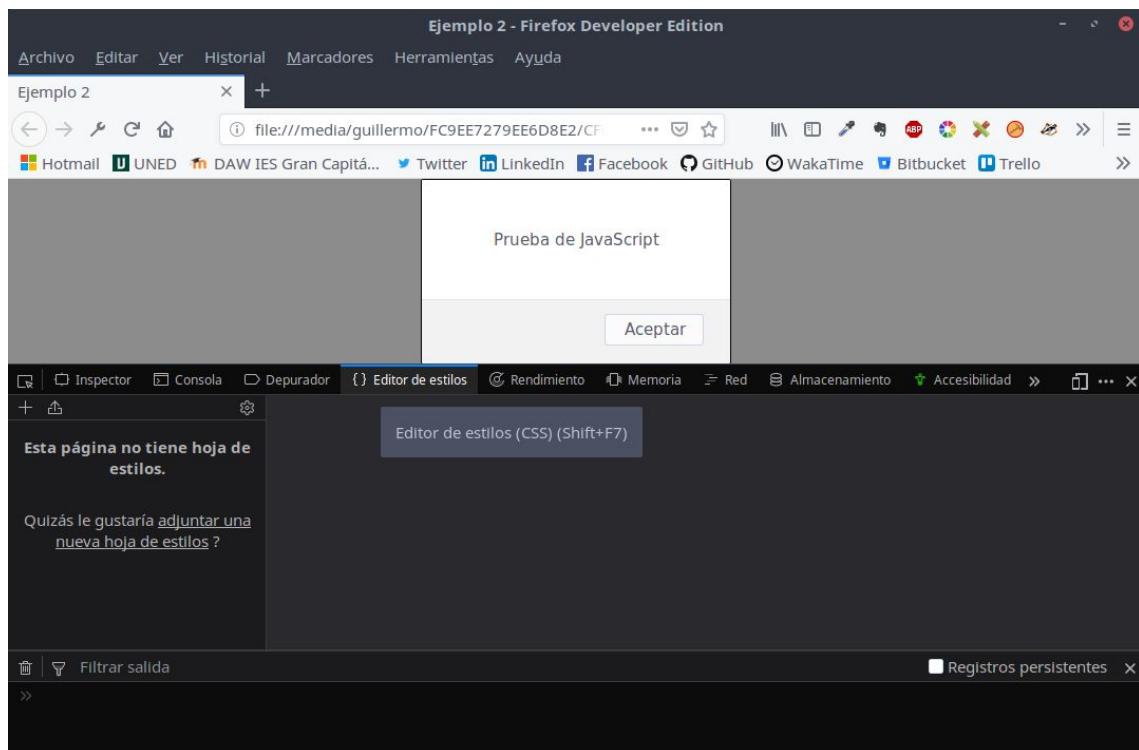
Acceso a los ficheros (mensaje.js en nuestro caso)

Ctrl + Shift + S y posteriormente Ctrl + P



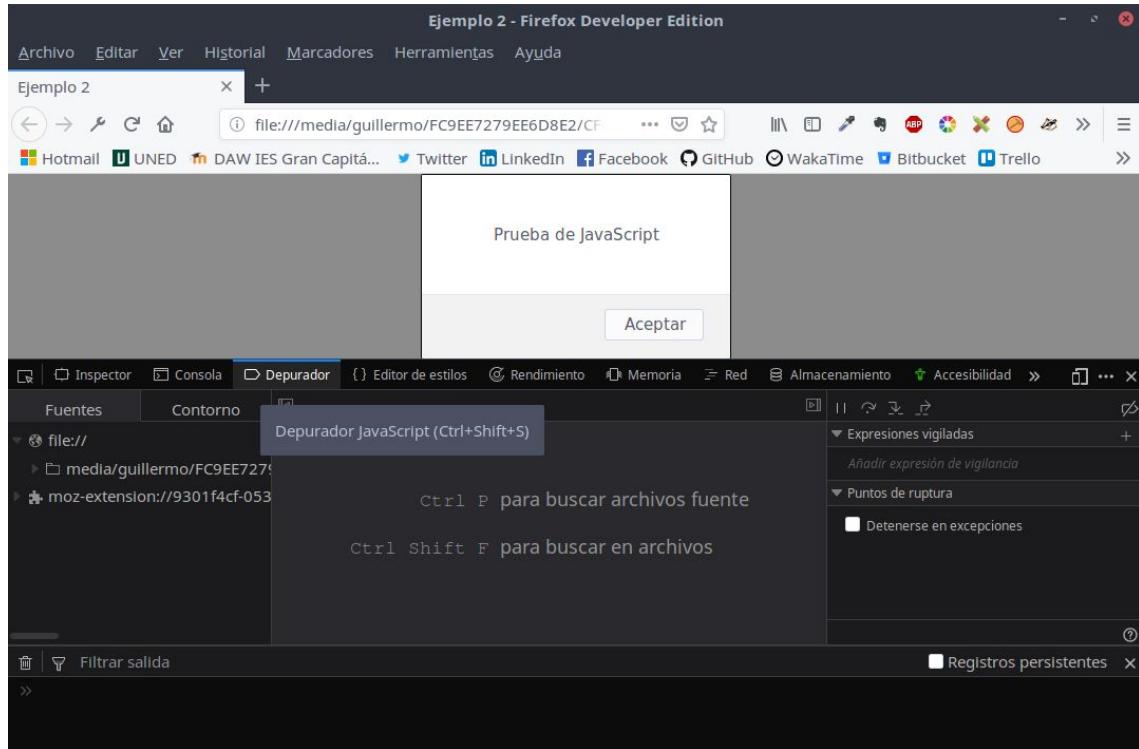
Reglas CSS

Shift + F7



Depurador

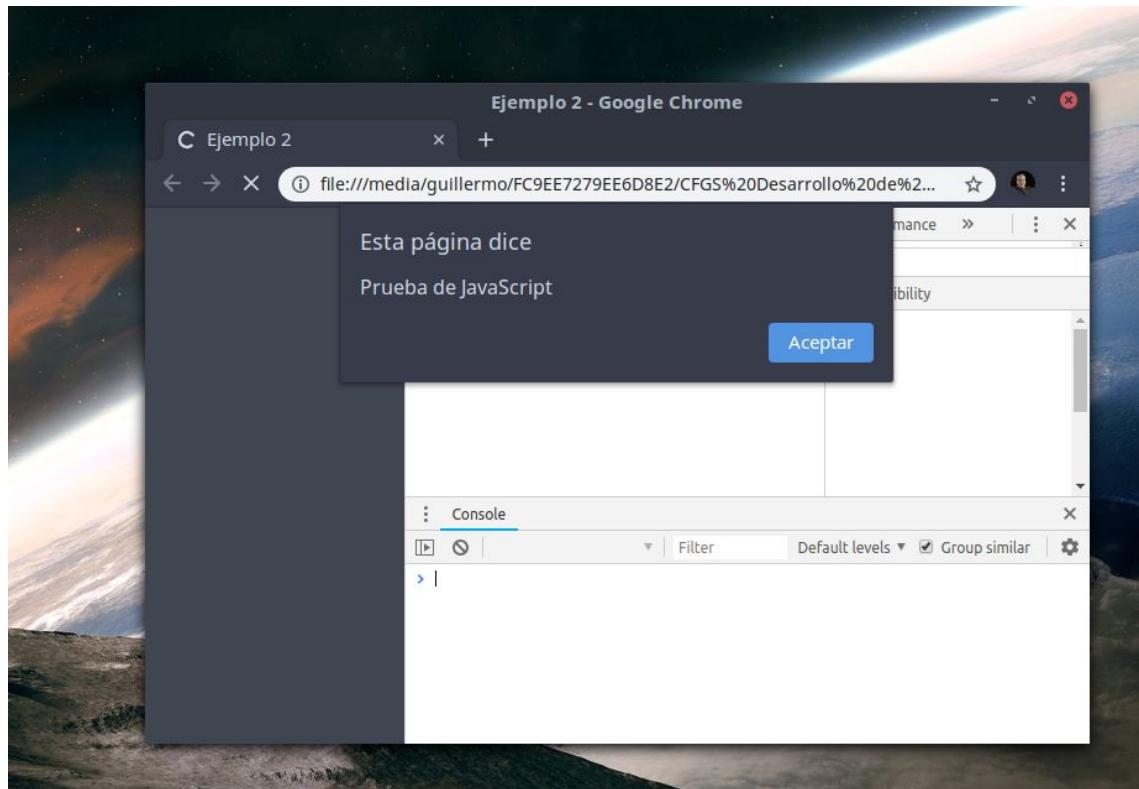
Ctrl + Shift + S



En Chrome:

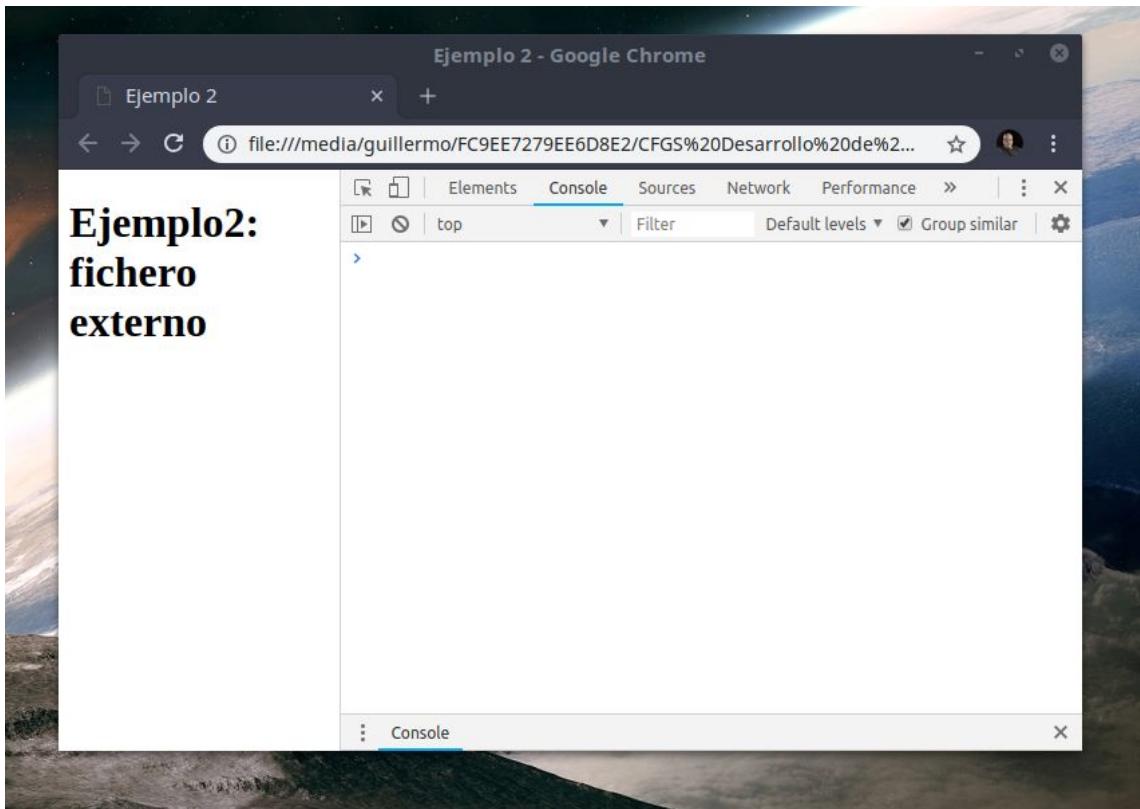
Teclas de acceso rápido que muestren las herramientas de desarrollo.

F12 o Ctrl + Shift + I



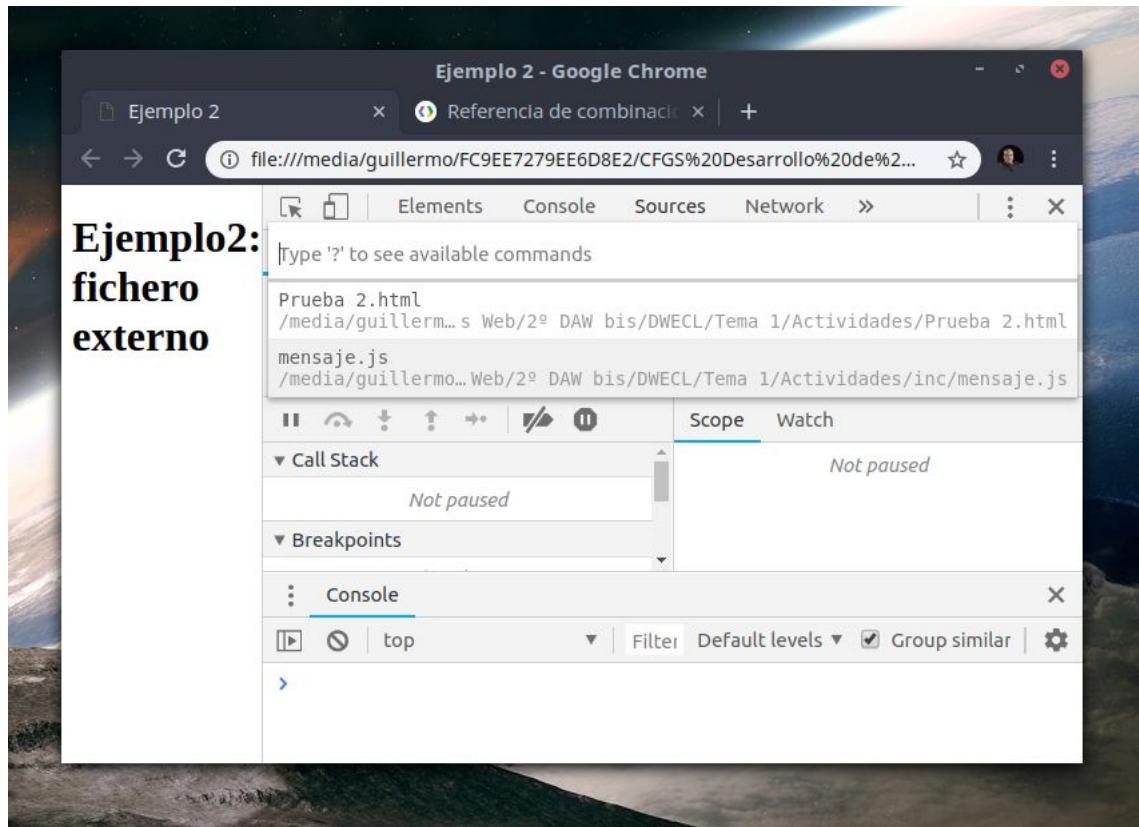
Acceso a la consola

Ctrl + Shift + J



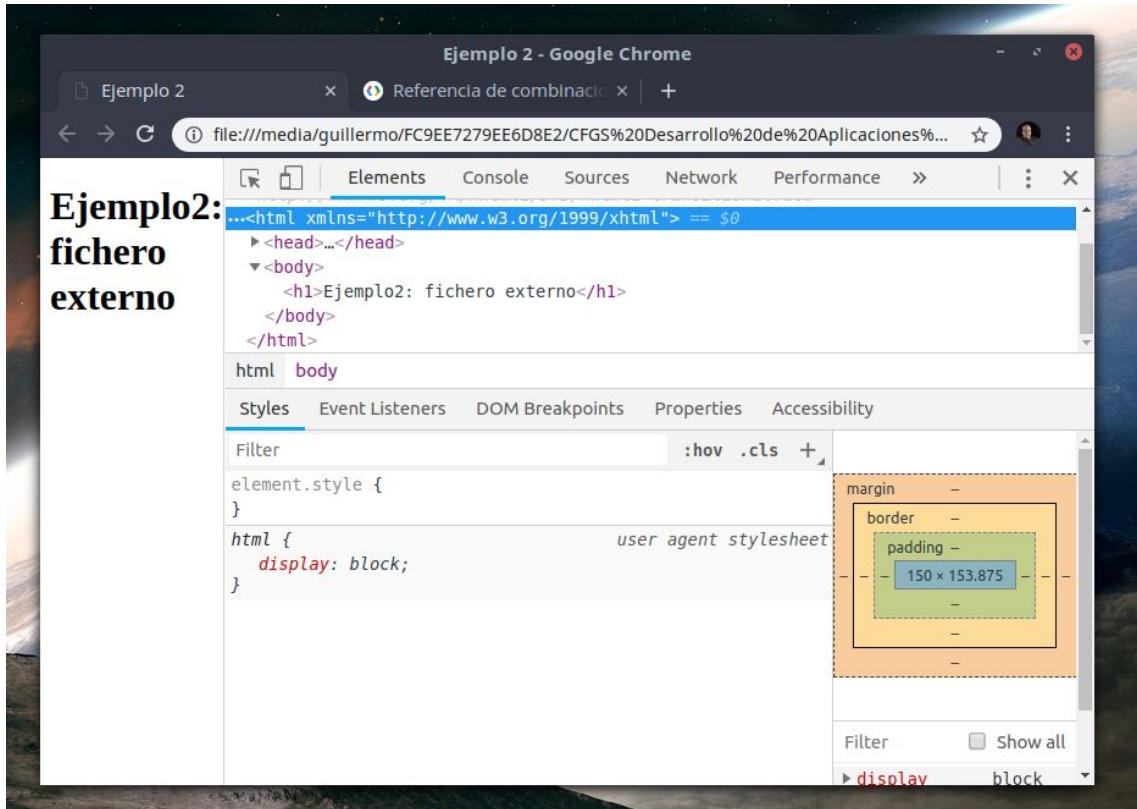
Acceso a los ficheros (mensaje.js en nuestro caso)

Ctrl + Shift + I y posteriormente Ctrl +] hasta alcanzar Sources, para buscar Ctrl + P



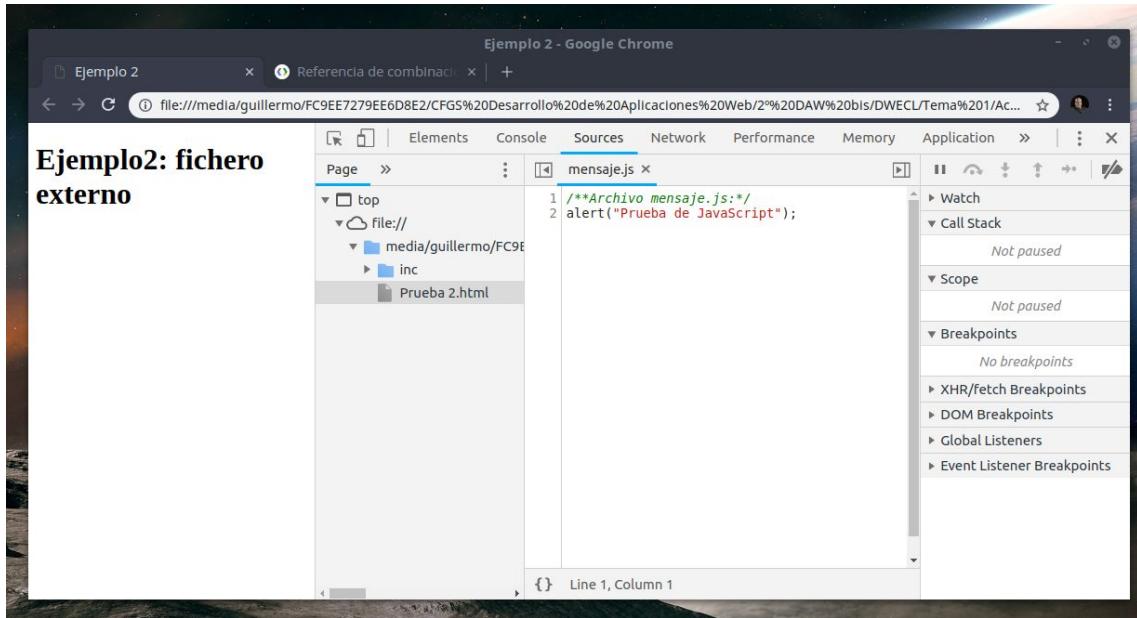
Reglas CSS

Abriendo las herramientas del desarrollador, en el panel Elements



Depurador

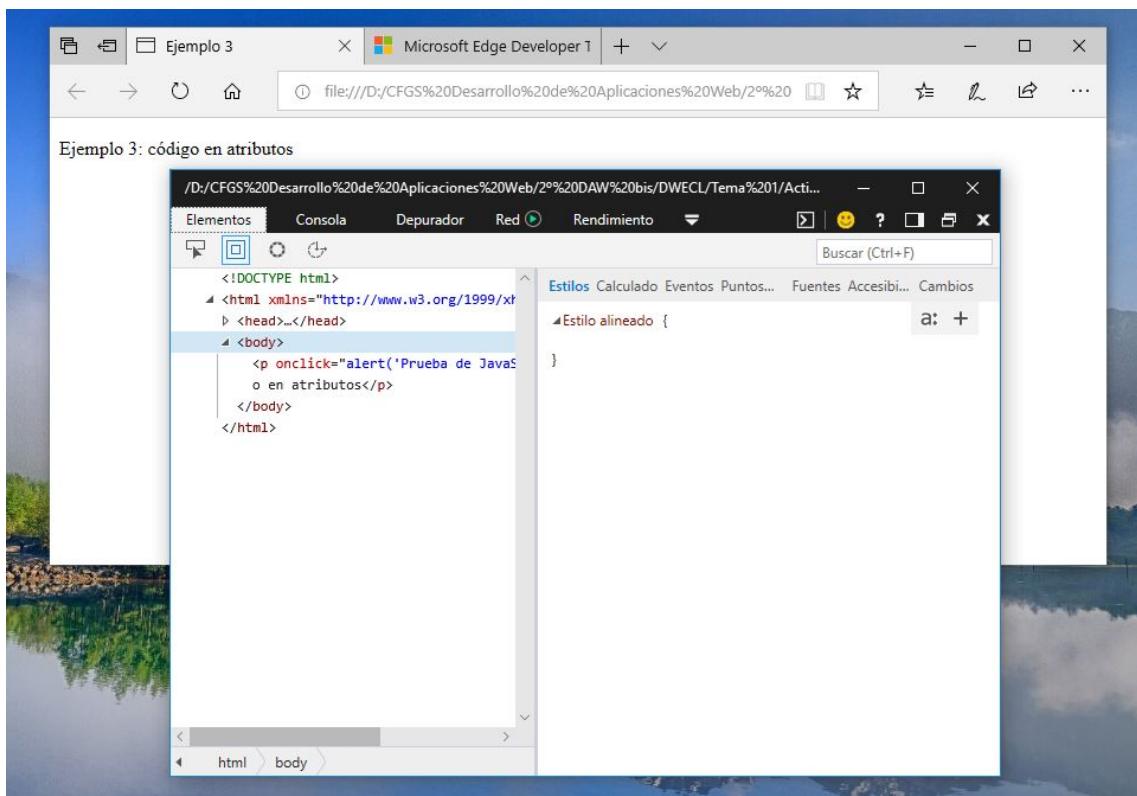
Abriendo Sources (F12 + Ctrl + P), lo encontramos a la derecha del previsualizador de archivos.



En Edge:

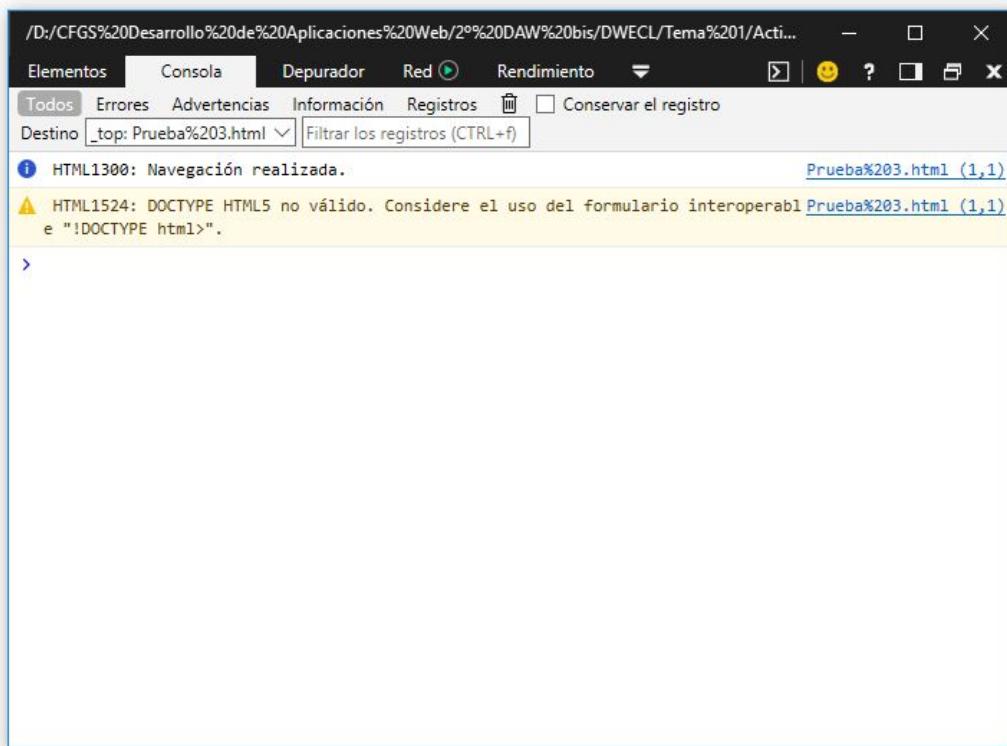
Teclas de acceso rápido que muestren las herramientas de desarrollo.

F12 o Ctrl + Shift + I



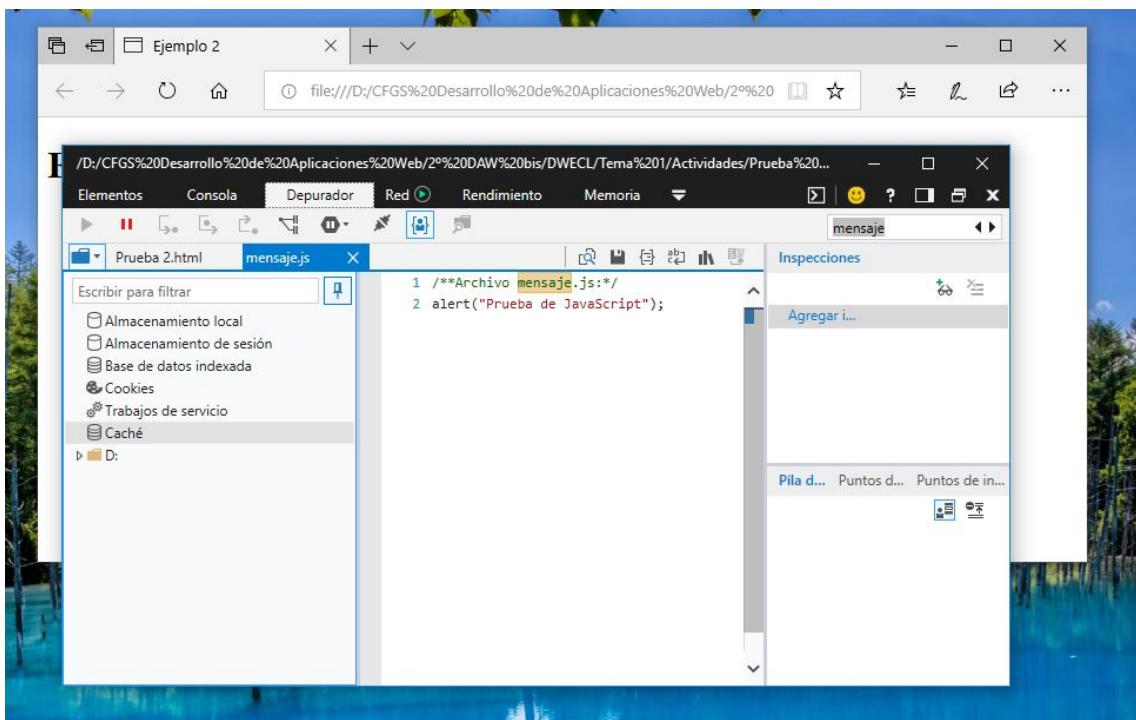
Acceso a la consola

Ctrl + Shift + J o bien F12 o Ctrl + Shift + I, posteriormente Ctrl + 2



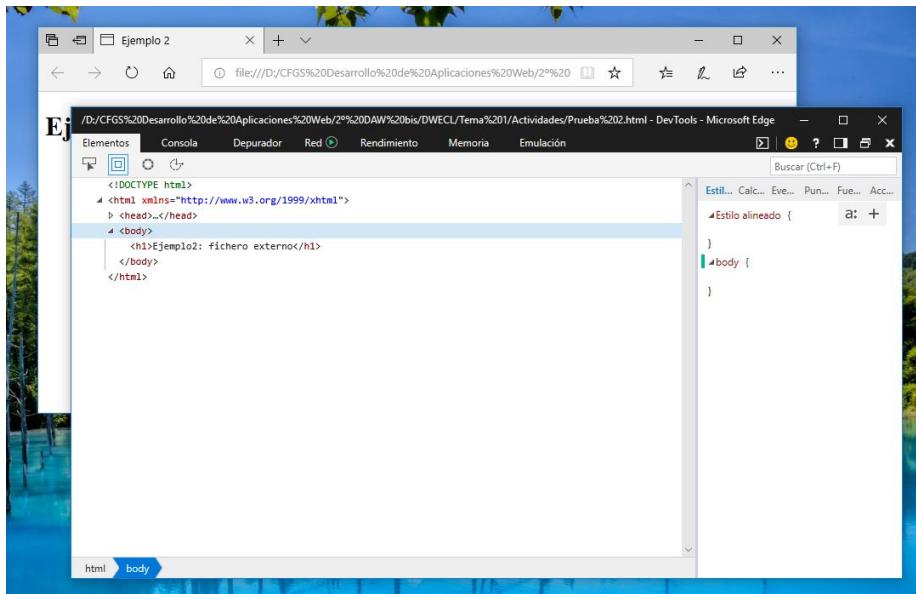
Acceso a los ficheros (mensaje.js en nuestro caso)

Ctrl + Shift + J o bien F12 o Ctrl + Shift + I, posteriormente Ctrl + 3, y finalmente Ctrl + F, indicando el nombre del fichero. Abre en primer lugar el html en el que se incluye.



Reglas CSS

F12 o Ctrl + Shift + I, posteriormente Ctrl + 1



Depurador

F12 o Ctrl + Shift + I, posteriormente Ctrl + 3

