



TEMA 7. BOM y DOM

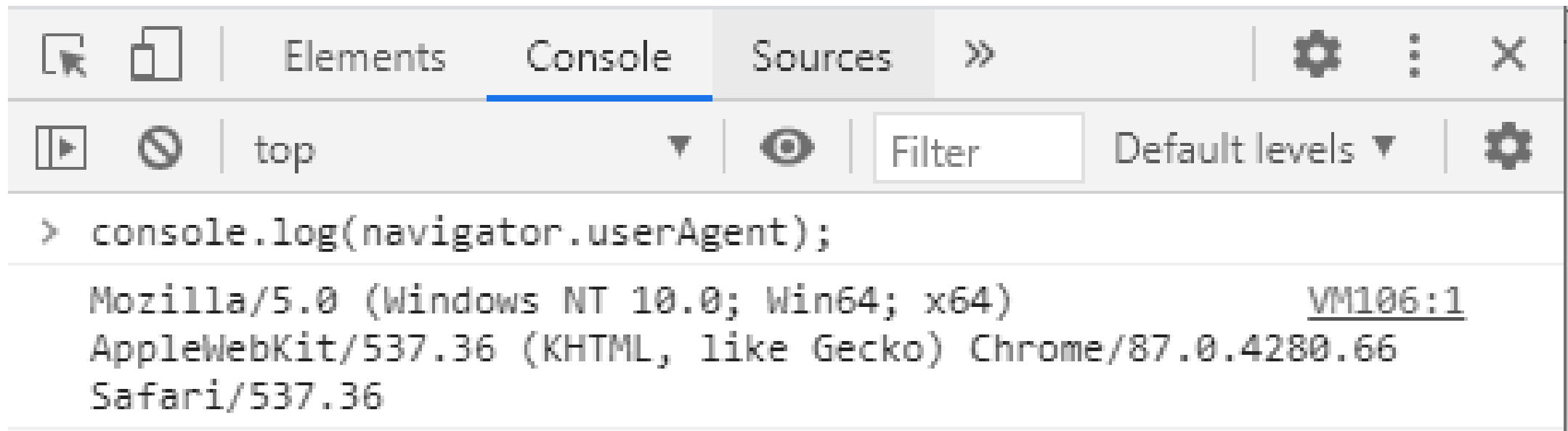
A. NAVIGATOR

1. Navigator

- Es un objeto que representa al navegador del usuario que está utilizando la aplicación web.
- Posee numerosas propiedades de lectura que nos permiten obtener información interesante.
- Quizá la más utilizada es **userAgent** que permite obtener la cadena de información del navegador mediante la que podremos saber el navegador del usuario, su versión, motor, etc.
- Abriendo el navegador y escribiendo este comando en la consola:

1. Navigator

- `console.log(navigator.userAgent)`



2. Navigator

- Otras propiedades y métodos de **navigator**:

Propiedad o Método	Uso
clipboard	Devuelve un objeto para gestionar desde el código el portapapeles.
cookieEnabled	Valor booleano que indica si las cookies están activadas en el navegador.
geolocation	Obtiene un objeto que permite usar la API de geolocalización para acceder a la posición GPS del usuario
javaEnabled()	Devuelve un valor booleano que indica si el plugin de Java está activado en el navegador
Language	Devuelve un string con el código de lenguaje del navegador del usuario. Por ejemplo "es-ES".
mimeType	Obtiene un array con los tipos MIME aceptados por el navegador
onLine	Valor booleano que indica si el navegador está trabajando on line o no.
plugins	Devuelve un array con información sobre los plugins instalados en el navegador
storage	Devuelve un objeto de tipo StorageManager capaz de manejar el almacenamiento de datos persistentes.

2. Navigator

```
> console.log(navigator.mimeTypes)
```

[VM132:1](#)

```
MimeTypeArray {0: MimeType, 1: MimeType, 2: MimeType, 3: MimeType, application/pdf: MimeType, application/x-google-c  
hrome-pdf: MimeType, application/x-nacl: MimeType, application/x-pnacl: MimeType, length: 4} t  
▶ 0: MimeType {type: "application/pdf", suffixes: "pdf", description: "", enabledPlugin: Plugin}  
▶ 1: MimeType {type: "application/x-google-chrome-pdf", suffixes: "pdf", description: "Portable Document Format", e...  
▶ 2: MimeType {type: "application/x-nacl", suffixes: "", description: "Native Client Executable", enabledPlugin: Pl...  
▶ 3: MimeType {type: "application/x-pnacl", suffixes: "", description: "Portable Native Client Executable", enabled...  
length: 4  
▶ application/pdf: MimeType {type: "application/pdf", suffixes: "pdf", description: "", enabledPlugin: Plugin}  
▶ application/x-google-chrome-pdf: MimeType {type: "application/x-google-chrome-pdf", suffixes: "pdf", description:...  
▶ application/x-nacl: MimeType {type: "application/x-nacl", suffixes: "", description: "Native Client Executable", ...  
▶ application/x-pnacl: MimeType {type: "application/x-pnacl", suffixes: "", description: "Portable Native Client Ex...  
▶ __proto__: MimeTypeArray
```

2. Navigator

```
'use strict';
var listaplugins=navigator.plugins;
for(var plugin of listaplugins) {
    console.log(plugin);
}
```

YO.JS:4

```
Plugin {0: MimeType, application/x-google-chrome-pdf: MimeType,
▼ pe, name: "Chrome PDF Plugin", filename: "internal-pdf-viewer",
  description: "Portable Document Format", length: 1} ⓘ
  ▶ 0: MimeType {type: "application/x-google-chrome-pdf", suffixes: "",
    description: "Portable Document Format",
    filename: "internal-pdf-viewer",
    length: 1,
    name: "Chrome PDF Plugin"}
  ▶ application/x-google-chrome-pdf: MimeType {type: "application/x-google-chrome-pdf",
    suffixes: "",
    description: "Portable Document Format",
    filename: "internal-pdf-viewer",
    length: 1,
    name: "Chrome PDF Plugin"}
  ▶ __proto__: Plugin
```

YO.JS:4

```
Plugin {0: MimeType, application/pdf: MimeType, name: "Chrome PDF Viewer",
▼ filename: "mhjfbmdgcfjbbpaeojofohoeffgiehj",
  description: "", length: 1} ⓘ
  ▶ 0: MimeType {type: "application/pdf", suffixes: ".pdf", description: "",
    filename: "mhjfbmdgcfjbbpaeojofohoeffgiehj",
    length: 1,
    name: "Chrome PDF Viewer"}
  ▶ application/pdf: MimeType {type: "application/pdf", suffixes: ".pdf",
    description: "",
    filename: "mhjfbmdgcfjbbpaeojofohoeffgiehj",
    length: 1,
    name: "Chrome PDF Viewer"}
  ▶ __proto__: Plugin
```

YO.JS:4

```
Plugin {0: MimeType, 1: MimeType, application/x-nacl: MimeType,
▼ application/x-pnacl: MimeType, name: "Native Client", filename: "internal-nacl-plugin",
  description: "", length: 2} ⓘ
  ▶ 0: MimeType {type: "application/x-nacl", suffixes: "", description: "",
    filename: "internal-nacl-plugin",
    length: 1,
    name: "Native Client"}
  ▶ 1: MimeType {type: "application/x-pnacl", suffixes: "", description: "",
    filename: "internal-nacl-plugin",
    length: 1,
    name: "Native Client"}
  ▶ application/x-nacl: MimeType {type: "application/x-nacl", suffixes: "",
    description: "",
    filename: "internal-nacl-plugin",
    length: 1,
    name: "Native Client"}
  ▶ application/x-pnacl: MimeType {type: "application/x-pnacl", suffixes: "",
    description: "",
    filename: "internal-nacl-plugin",
    length: 1,
    name: "Native Client"}
  ▶ __proto__: Plugin
```

3. Navigator

- Todos las propiedades y métodos (tanto estándar como no) de este objeto, se pueden encontrar en:
- <https://developer.mozilla.org/es/docs/Web/API/Navigator>