

Difference between window and document objects?

Document	Window
It represents any HTML document or web page that is loaded in the browser.	It represents a browser window or frame that displays the contents of the webpage.
It is loaded inside the window.	It is the very first object that is loaded in the browser.
We can access the document from a window using the window.document	We can access the window from the window only. i.e. window.window
Properties of document objects such as title, body, cookies, etc can also be accessed by a window like this window.document.title	Properties of the window object cannot be accessed by the document object.
syntax: document.propertyname;	syntax: window.propertyname;

Document Object

1. The document object represents a web page that is loaded in the browser.
2. By accessing the document object, we can access the element in the HTML page.
3. With the help of document objects, we can add dynamic content to our web page.
4. The document object can be accessed with a window.document or just document.

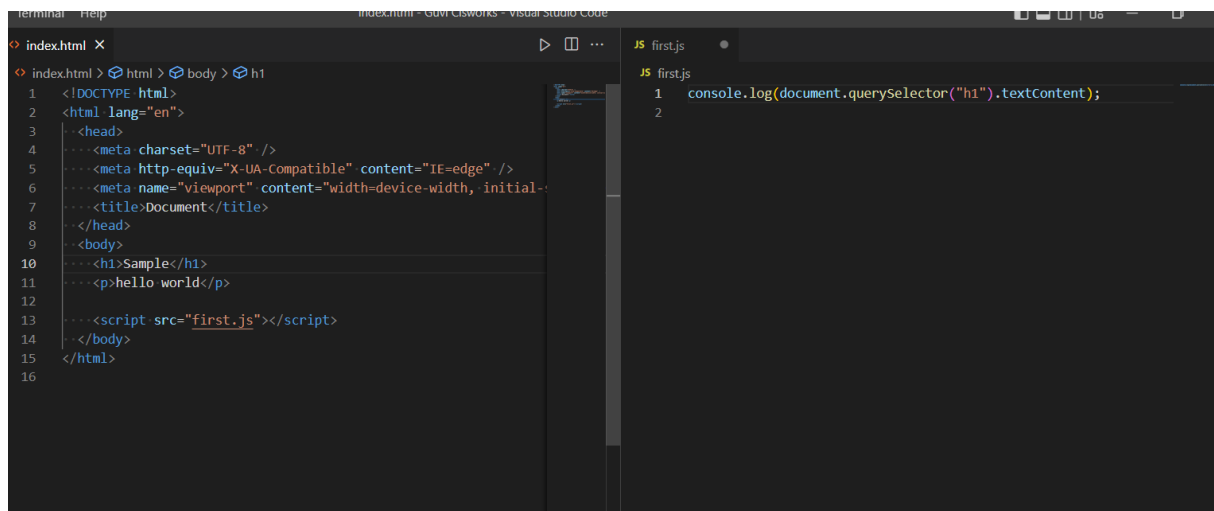
Syntax:

1. `document.property_name; =>` to access properties of document object.

Example :: `document.body =>` returns contents of the body element.

2. `document.method_name; =>` to access methods of document object.

Example :: `document.querySelector =>` returns the first element that matches a specified CSS selector(s) in the document.

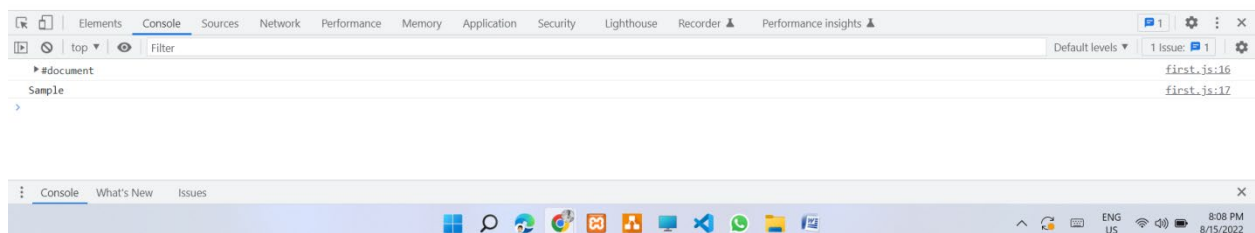


The screenshot shows the Visual Studio Code editor with two files open. The left pane shows `index.html` with the following content:

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6     <meta name="viewport" content="width=device-width, initial-scale=1" />
7     <title>Document</title>
8   </head>
9   <body>
10    <h1>Sample</h1>
11    <p>hello world</p>
12
13    <script src="first.js"></script>
14  </body>
15 </html>
16
```

The right pane shows `first.js` with the following content:

```
1 console.log(document.querySelector("h1").textContent);
2
```



Window Object

1. The window object is the topmost object of the DOM hierarchy.
2. It represents a browser window or frame that displays the contents of the webpage.
3. Whenever a window appears on the screen to display the contents of the document, the window object is created.

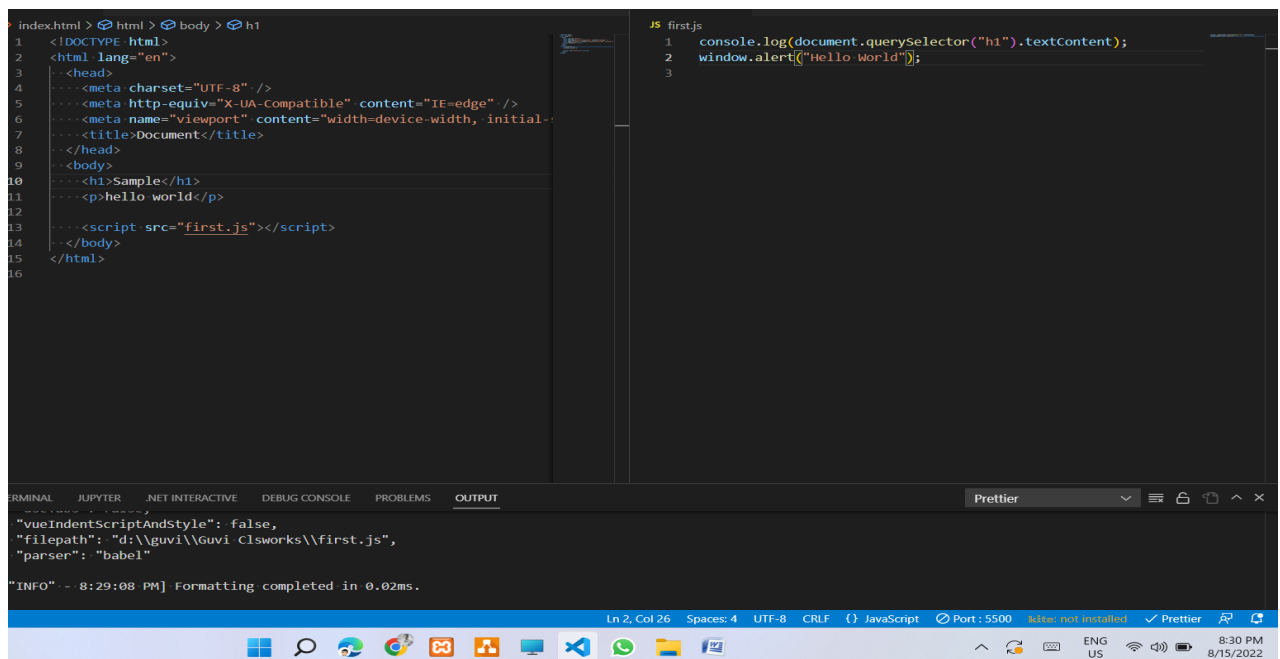
Syntax:

1. `window.property_name; =>` to access properties of window object.

Example :: `window.document` => returns reference to the document object of that window.

2. `window.method_name; =>` to access methods of window object.

Example :: `window.alert` => used to display an alert box.



```
index.html > html > body > h1
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6     <meta name="viewport" content="width=device-width, initial-
7     <title>Document</title>
8   </head>
9   <body>
10    <h1>Sample</h1>
11    <p>hello world</p>
12
13    <script src="first.js"></script>
14  </body>
15 </html>
16

JS firstjs
1 console.log(document.querySelector("h1").textContent);
2 window.alert("Hello World");
3

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"filepath": "d:\\guvi\\Guvi Clsworks\\first.js",
"parser": "babel"

"INFO" - 8:29:08 PM] Formatting completed in 0.02ms.

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