1. Difference between documents and window objects.

What is a JavaScript window?

The window is at a root/top level at the JavaScript object hierarchy. It is a global/root object in JavaScript and it is the root object of the Document object model(DOM);

What is a JavaScript document?

A document is an object inside the window object and we use a document object for manipulation inside the document.

The first thing that gets loaded into the browser is the window and the properties related to that window are stored in the window object. Properties related to window objects are length, innerWidth, innerHeight, caches, etc.

There was a document object too so what about it then?

So after the window gets loaded then there's a document (HTML, PHP, or another document) loaded inside that window, and the properties related to that document are stored in the document object. Properties related to document objects are title, URL, cookie, etc.

Syntax:

window object:
window.propertyname;
document object:
document.propertyname
// OR
window.document.propertyname

Document

It represents the document loaded inside the window or browser. The properties related to it are stored in the document object. It is loaded after the loading window because the window contains a document. It is the root element of the document object model. It is an object of the window. We can not access windows objects properties inside the document.

It represents the browser window in which you are seeing the content. The properties related to it are stored in the window object. It is loaded before the document because of the window container document. The window is the global element for all objects, functions, etc. It is an object of the browser. We can access document object properties inside the window.