**Window, Document, Screen**

**Window :**

“Window" is the top level property and inside of it has bunch of properties in it and in those bunch of properties “Document” and “screen” are also properties of the window . window object is available in any browser window or any browser tab and it contains a lot of information about the particular tab or particular window including url,port, pathname,protocol,etc. but this window doesn't only show exactly what's in the desktop.some of it contains dimensions but that'll be same in all the browser tab because they are in the same browser window they have their own javascript window but the thing is they are in same browser window in chrome

**Document:**

**"**Document” represent document which is constructed after the window and it represent content on the page usually the data which is shown is not the exact same version or type of data ( that is not visible so in most of the time ) so the data shown will be in the form of html or xml or other markup language its constructed based on the html it's parsed.

So if we just type document we can see the html type of data and it will be nearly same as in elements but if we need in object view or object debugger view of properties in that object we need to use "console.dir(document)" then it'll show url or screen dimension or child nodes etc .There are bunch of methods to manipulate the document object model or DOM so searching for things and getting element by ID using query selectors, the document is our interface to the content if need to manipulate something then change css properties through javascript by going through the document but the main thing is "document is a part of the window"by using document.window we can access or see it in console.

**Screen:**

It’s also a property or part of the window .and we can access the part this by typing “screen” in console which tells the information about the screen. The screen window has the information of its brower window or data such as height ,width,color,etc. By using toggle tool bar we can change the dimension of the browser window, it allows to have different sizes even from potrait to landscape in dimension type and that will be refelected in "screen" in console.

**Conclusion :**

The conclusion is window is the parent for both the properties (document and screen) and also it includes many properties such as SDA, console,console.log,NaN,Infinity etc . alongside it has document which contains information,properties,methods relating to the actual content on our page mostly it'll be in html and the nodes are parts of the DOM ,the methods to manipulate them, to find, to search through them to change certain properties(DOM manipulation) in css. the next property the"screen" its also a property of a window but it only contains information about the screen itself usually the screen viewing the page.