1)DIFFERENCE BTW DOCUMENT AND WINDOW OBJECT

The [**window object**](https://developer.mozilla.org/en-US/docs/Web/API/Window) represents the current browsing context. It holds thingslike window.location, window.history, window.screen, window.status, or the window.document. Also, it has information about the framing setup (the frames, parent, top, self properties), and holds important interface such as applicationCache, XMLHttpRequest, setTimeout, escape, console or localStorage. Last but not least it acts as the global scope for JavaScript, i.e. all global variables are properties of it.

In contrast, the (window.)[**document object**](https://developer.mozilla.org/en-US/docs/Web/API/document) represents the DOM that is currently loaded in the window - it's just a part of it. A document holds information like the documentElement (usually <html>), the forms collection, the cookie string, its location, or its readyState. It also implements a different interface (there might be multiple [Documents](https://stackoverflow.com/q/16790174), for example an XML document obtained via ajax), with methods like getElementById or addEventListener.