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Ques1. What are the popup boxes in javascript?

Ans: JavaScript has three kind of popup boxes: Alert box, Confirm box, and Prompt box.

* Alert Box: An alert box is often used if you want to make sure information comes through to the user.  
  Example: Synatx: window.alert("*sometext*"); When an alert box pops up, the user will have to click "OK" to proceed.
* Confirm Box: A confirm box is often used if you want the user to verify or accept something.  
  Synatx: window.confirm("*sometext*"); If the user clicks "OK", the box returns true. If the user clicks "Cancel", the box returns false.
* Prompt Box: A prompt box is often used if you want the user to input a value before entering a page.  
  Synatx: window.prompt("*sometext*","*defaultText*"); If the user clicks "OK" the box returns the input value. If the user clicks "Cancel" the box returns null.

Ques2. What is JavaScript engine for Safari?

Ans: JavaScriptCore is Apple's engine for its Safari browser. Other WebKit-based browsers also use it. KJS from KDE was the starting point for its development.

Ques5. What are the key differences between Java and JavaScript?

Ans:

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| **Java** | **JavaScript** |
| This is OOP or Object-Oriented programming language | This is an object based scripting language |
| A stand-alone language | Not stand-alone, incorporated into HTML program for operation |
| Strongly typed language is used, and data type of variable is decided before declaring or using it | Language utilised is loosely typed, so that the user does not have to worry about the data type before the declaration |
| Code has to be compiled | The code is all text |
| Slightly more complex | Easier in comparison |
| Used to perform complex tasks | Complex tasks cannot be executed |
| Large amount of memory is required | Memory consumption is lesser |
| Programs are saved with “.java” extension | Programs are saved with JavaScript, “.js” extension |
| Stored in the / client host machine under the “Byte” code | Stored in host or client machine as “source” code |
| Compiled on the server before it is executed on the client side | JavaScript is interpreted on the client side |
| Is static and the code once written can be run on any computing platform | Dynamic and is a cross-platform language |