PROMINEO TECH

Career Services Assignment 3 – Java Flash Cards

Instructions: Research common JavaScript interview questions online and create 20 flash cards from the information you find. Study your flash cards regularly to better prepare for interviews. Fill out the table below with the information you put on each of your flash cards.

Front of Card	Back of Card
What is JavaScript?	JavaScript is a very powerful client-side scripting language. JavaScript is used mainly for enhancing the interaction of a user with the webpage. In other words, you can make your webpage more lively and interactive, with the help of JavaScript. JavaScript is also being used widely in game development and Mobile application development.
Differences between Java and JavaScript	Java is a complete programming language. In contrast, JavaScript is a coded program that can be introduced to HTML pages. These two languages are not at all inter-dependent and are designed for different intent. Java is an object-oriented programming (OOPS) or structured programming languages like C++ or C, whereas JavaScript is a client-side scripting language.
What are JavaScript Data Types?	Number String Boolean Object Undefined
What is NaN	Nan is not a number
Is JavaScript client side or server side	It is client side.
Which company developed JavaScript?	Netscape is the software company that developed JavaScript.
What are undeclared and undefined variables?	Undeclared variables are those that do not exist in a program and are not declared. If the program tries to read the value of an undeclared variable, then a runtime error is encountered.

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	Undefined variables are those that are declared in the program but have not been given any value. If the program tries to read the value of an undefined variable, an undefined value is returned.
What are global variables? How are these variable declared?	Global variables are available throughout the length of the code so that it has no scope. The var keyword is used to declare a local variable or object. If the var keyword is omitted, a global variable is declared.
What is 'this' keyword in JavaScript?	'This' keyword refers to the object from where it was called.
What is the difference between ViewState and SessionState?	'ViewState' is specific to a page in a session. 'SessionState' is specific to user-specific data that can be accessed across all web application pages.
What is === operator?	=== is called a strict equality operator, which returns true when the two operands have the same value without conversion.
What are all the looping structures in JavaScript?	For While Do-while loops
What is Variable typing	The type of a variable is determined only when a value is assigned and can change as the variable appears in different contexts
Difference between "==" and "==="	"==" checks only for equality in value, whereas "===" is a stricter equality test and returns false if either the value or the type of the two variables are different.
What do you mean by NULL in Javascript	The NULL value is used to represent no value or no object. It implies no object or null string, no valid Boolean value, no number, and no array object.
Object Constructor notation	Object defined with a constructor let us have multiple instances of that object
Object Literal Notation	Object literals are basically singletons with variables that are all public
Singleton pattern	A Singleton is an object which can only be instantiated one time. Repeated calls to its constructor return the same instance and this way one can ensure that they don't

	accidentally create multiple instances.
What is a prototype chain	Prototype chaining is used to build new types of objects based on existing ones. It is similar to inheritance in a class based language.
What is JSON and its common operations	JSON is a text-based data format following JavaScript object syntax, which was popularized by Douglas Crockford. It is useful when you want to transmit data across a network and it is basically just a text file with an extension of .json, and a MIME type of application/json

Citation

https://medium.com/@mandeepkaur1/object-literal-vs-constructor-in-javascript-df143296b816

https://github.com/sudheerj/javascript-interview-questions#what-are-the-possible-ways-to-create-objects-in-javascript

https://www.interviewbit.com/javascript-interview-questions/