

Career Services Assignment 3 – Java Flash Cards

Points possible: 50

Category	Criteria	% of Grade
Completeness	All requirements of the assignment are complete.	100

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?	JS is a scripting/programming language used to add complex features and functionality to a webpage. - MDN
Enumerate the differences between Java and JavaScript?	Java is a programming language used to create applications which can run via virtual machine or browsers which must be compiled to run. JavaScript is a browser only text script. -www.java.com
What are JavaScript Data Types?	Strings, Numbers, Booleans, undefined, Null
What is the use of isNaN function?	This function is used to determine if a value is NaN or not and return a Boolean value. – MDN
What is negative Infinity?	Negative.infinity is a property of Number. It is the same as a negative value of an object's infinity property. When used it will return the opposite value. -MDN
Which symbol is used for comments in Javascript?	The // marks are used to comment out text or code that is written in JS on a single line. If a multi-line comment is needed the symbols*/ and /* are used to bracket the area to be commented out or ignored when running the code. - www. W3schools
Explain Hoisting in javascript.	Hoisting is a process in JS where a function can be called before it is declared. When run, JS will 'hoist' functions, variables, and/or classes to the top so other processes will not error out when called. It allows the creator to write processes then create the functions to carry out those processes. -MDN

Why do we use the word “debugger” in javascript?	The debugger keyword pause the execution of code and will run (call) a debugging function. After the code has been examined then via an extra action the execution can resume to the next debugger point if there is one. If there is not a debugger available then the keyword is ignored. - www.w3schools
Difference between “== “ and “=== “ operators.	== is a “roughly equal” to operator which will compare 2 values based on the result vs the data type. 2 would be equal to “two”. While === is a “strict equal” to operator and will only pass true if all information passed matches, 2 it equal to 2 but not equal to “two” and so on.
Difference between var and let keyword in javascript.	The var keyword is a term that can be accessed inside a function or globally which makes it problematic in some instances. It is used to declare an object which via hoisting will be processed before other segments of code. The let keyword is only processed when the code it is part of is run. If inside a function or block it will remain only in that block of code and can be reused in other blocks without interfering with other instances or globally declared and called as needed. -MDN
What are all the looping structures in JavaScript?	Looping structures are lines of code which will iterate through a given object or range of numbers and can be used to scroll through a list of items and return specific values related to counting.
Given a string, reverse each word in the sentence.	<pre>function reverse(s) { var o = ""; for (var i = s.length - 1; i >= 0; i--) o += s[i]; return o; }</pre>
How to check if an object is an array or not?	isArray() will show true if an object is an array.
How to empty an array in JavaScript?	There are multiple. Array.splice(0,array.length), array.length = 0, or array = [].

What is ES6 in JavaScript?	ECMAScript was a standard created to standardize JS and es6 is the 6 th version of it which released multiple new features which replaced some older features which caused potential issues.
Which company developed JavaScript?	Developed by Netscape and maintained by Mozilla
What are undeclared and undefined variables?	Undeclared values are values which have not been properly declared by a function or keyword assigning a value to them. Undefined values can be declared but either have no data or no usable data when the values is called upon.
What are global variables? How are these variable declared?	Global values are declared with Let, Const, or Var keywords. They are declared outside of a function or block and there for can be called on both inside and outside of a function.
What is a prompt box?	A prompt box is used to create a popup style box which can be used to get input from the user. Username/passwords prompts, menu selections, etc.
What is 'this' keyword in JavaScript?	This is used to refer to an object depending on how it is used. When used alone, or in a function it will refer to a global object while in other methods you can use it to refer to any object.