Career Services Assignment 3 – Java Flash Cards

Points possible: 50

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

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
1) Describe the types of data that are present	1) Primitive types of data – number,
in JavaScript	bigInt string, Boolean, null, undefined,
	and symbol
	2) Non-Primitive types of data – objects
	and arrays
2) What is the difference between '==' and	Both are examples of the equality operator.
·==='?	However, the '===' is an example of the strict
	equality operator in which it will compare not
	only the value, but also the type of data
	provided. '==' can convert data into different
	types to compare two values such as "2" and
	2.
3) What is Hoisting in JavaScript?	Hoisting is the action of variables and
	declared functions being moved to the top of
	the scope automatically.
4) What is the difference between var and let?	Both var and let are used to declare values
	globally. However, let will allow the variable
	to be called on a block scope once otherwise
	it will bounce back an error. This is useful so
	that you don't change a value unintentionally.
5) Is JavaScript a static or dynamic language?	JavaScript is a dynamic language because
Why?	variables are checked by run-time and
	variables can hold multiple data types and
	aren't limited to a specific type.
6) What is the NaN property type in JS?	The NaN property type stands for "Not a
	Number" and this is useful to determine if
	something is a number or not using isNaN().
7) Explain the "this" keyword.	The keyword "this" is used to reference the
	object that it is encapsulated in. If it's not
	encapsulated, it will refer to the Global object.

8) Explain Implicit Type Coercion in	Implicit Type Coercion takes two variable of
JavaScript.	different types and converts them together.
Javascript.	For example, $x = 3$ and $y = '3'$; $x + y = '33'$;
	For example, $x = 3$ and $y = 3$, $x + y = 33$,
9) What are arrow functions?	These were introduced in ES6 and it allows
9) What are allow functions?	for a cleaner syntax of code compared to the
	1
	old way to call functions. It omits the
	function keyword and if used with only one
10) 377 4 41 11 411 14 41	line of code it also omits the return keyword.
10) What method is utilized to retrieve a	charAt(). It pulls the character from the
character at a specific index?	specified index starting at 0.
11) What is the purpose of the constructor	The constructor keyword is used to create
function in JS?	objects. It is noted that these should follow a
	Pascal script in which every word is
	capitalized compared to the standard
	camelCase.
12) Explain Scope and Scope Chain.	There are three types of scope:
	Global scope, local/function scope, and block
	scope.
	When variables and functions are declared
	within the global namespace, they will be able
	to be called throughout the entire code.
	Function/Local scope are variables and
	functions declared within a function. They
	can only be referenced within that function
	and can't be accessed outside of it.
	Block scope refers to the keywords let and
	const in which the variables can only be
	accessed within the block that they're
	contained within.
13) What are object prototypes? What are	Object prototypes are the blueprints of an
some examples?	object. This allows for the object to access
	properties and methods that aren't attached to
	it. Some examples are date prototypes, math
	prototypes, and array prototypes.
14) How many different methods can you	1. Object.
make an object?	2. using Class.
, i	3. create Method.
	4. Object Literals.
	5. using Function.
	6. Object Constructor
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15) What are the use of promises in JS?	Promises are used to handle asynchronous
-, -,	operations in JS. They are more manageable
	than callbacks and allow for cleaner code.
	There are four states:
	There are roar states.

1)Pending
2)Fulfilled
3)Rejected
4)Settled
Memoization is a form of caching where the
return value of a function is cached based on
its parameters. If the parameter of that
function is not changed, the cached version of
the function is returned.
1) It can be operated on client-side and
server-side
2) It's a simple language to learn
3) Web pages have more functionality
4) For end-users it operates quickly
A closure is the ability of an inner function to
be able to reach out and obtain information
from an outer function.
Recursion is the process of a function calling
itself so that it iterates multiple times until a
condition has been met.
An immediately invoked function is a
function that runs as soon as it is declared.