Career Services Assignment 3 – Java Flash Cards

**Points possible:** 50

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| 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.

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| **Front of Card** | **Back of Card** |
| What are the advantages of JavaScript? | Following are the advantages of using JavaScript −  Less server interaction − You can validate user input before sending the page off to the server. This saves server traffic, which means less load on your server.  Immediate feedback to the visitors − They don’t have to wait for a page reload to see if they have forgotten to enter something.  Increased interactivity − You can create interfaces that react when the user hovers over them with a mouse or activates them via the keyboard.  Richer interfaces − You can use JavaScript to include such items as drag-and-drop components and sliders to give a Rich Interface to your site visitors. |
| What are the features of JavaScript? | It is a lightweight, interpreted programming language.  It is designed for creating network-centric applications.  It is complementary to and integrated with Java.  It is an open and cross-platform scripting language. |
| What are the scopes of a variable in JavaScript? | The scope of a variable is the region of your program in which it is defined. JavaScript variable will have only two scopes.  • Global Variables − A global variable has global scope which means it is visible everywhere in your JavaScript code.  • Local Variables − A local variable will be visible only within a function where it is defined. Function parameters are always local to that function. |
| What are the variable naming conventions in JavaScript? | The following rules are to be followed while naming variables in JavaScript:  You should not use any of the JavaScript reserved keyword as variable name. For example, break or boolean variable names are not valid.  JavaScript variable names should not start with a numeral (0-9). They must begin with a letter or the underscore character. For example, 123name is an invalid variable name but \_123name or name123 is a valid one.  JavaScript variable names are case sensitive. For example, Test and test are two different variables. |
| What is Callback? | A callback is a plain JavaScript function passed to some method as an argument or option. It is a function that is to be executed after another function has finished executing, hence the name ‘call back‘. In JavaScript, functions are objects. Because of this, functions can take functions as arguments, and can be returned by other functions. |
| What is JavaScript? | JavaScript is a client-side as well as server side scripting language that can be inserted into HTML pages and is understood by web browsers. JavaScript is also an Object based Programming language |
| What are JavaScript Data Types? | Following are the JavaScript Data types:  Number  String  Boolean  Object  Undefined |
| 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.  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 is a prompt box? | A prompt box is a box which allows the user to enter input by providing a text box. Label and box will be provided to enter the text or number |
| What is 'this' keyword in JavaScript? | 'This' keyword refers to the object from where it was called. |
| What is === operator? | === is called as strict equality operator which returns true when the two operands are having the same value without any type conversion. |
| Explain how can you submit a form using JavaScript? | To submit a form using JavaScript use document.form[0].submit();  document.form[0].submit(); |
| What are all the looping structures in JavaScript? | Following are looping structures in Javascript:  For  While  do-while loops |
| What are all the types of Pop up boxes available in JavaScript? | Alert  Confirm and  Prompt |
| What is the use of Push method in JavaScript? | The push method is used to add or append one or more elements to the end of an Array. Using this method, we can append multiple elements by passing multiple arguments |
| How can a value be appended to an array? | A value can be appended to an array in the given manner -  arr[arr.length] = value; |
| What boolean operators can be used in JavaScript? | The 'And' Operator (&&), 'Or' Operator (||) and the 'Not' Operator (!) can be used in JavaScript.  \*Operators are without the parenthesis. |
| How are JavaScript and ECMA Script related? | ECMA Script are like rules and guideline while Javascript is a scripting language used for web development. |
| What does the following statement declares?  var myArray = [[[]]]; | It declares a three dimensional array. |
| What is break and continue statements? | Break statement exits from the current loop.  Continue statement continues with next statement of the loop. |