# 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** |
| Explain how “this” works | “This” is a keyword that acts as a reference to the context object. The value changes, depending on what context you are using.  Cases:  -you can access its properties through dot notation  -if you use the keyword ‘new’ to create an instance, then ‘this’ is bound to the instance and not the function  -if you use call and apply, you get to decide what ‘this’ is bound to |
| What is the use of isNaN | isNaN function returns true if the argument is not a number, otherwise it is false |
| Give me 5 examples of string manipulation | match()  slice()  splice()  replace()  concat() |
| Who developed JavaScript | The software company - Netscape |
| Give me 5 examples of array manipulation | concat()  join()  pop()  sort()  index() |
| What symbol is used for commenting in JavaScript | //is for single line  /\* is for multi-line comments \*/ |
| What is a basic object | Array Properties / Methods  Boolean Properties / Methods  Math Properties / Methods  Number Properties / Methods  String Properties / Methods |
| What are some OOP Concepts | Abstraction  Encapsulation  Inheritance  Polymorphism  Class  Object |
| What is a variable | Variable is used to assign a number to a variable, which can also be assigned to a string  i = 10;  i = “string”; |
| What is Abstraction | Generalize the implementation details  - Expose only what you need  i.e. Espresso vs Drip vs Keurig --- They can all make() coffee |
| What would 3+2+”7”? | 3 and 2 are integers, so they would be added numerically. 7 is a string (because of the “”) which makes it concatenated so the answer would be 57 |
| What is Encapsulation | This is the process or method to contain the information – problems are solved at the implementation level. |
| What is Inheritance | Adds features or modifies functionality |
| What is a pop()method | This is similar to the shift()method but this takes from the last element off of the given array and returns it |
| What is Polymorphism | Allows different objects to respond or act in different ways to the same input or output. |
| Which keywords are used to handle exceptions | Try  Catch  Finally |
| Classes are what | Class is a “blueprint” that is used to create an ‘object’. One blueprint can make an infinite number of objects |
| What is the push method | This is used to add or append one or more elements to an Array end. |
| What is JavaScript | JavaScript is a client-side / server-side scripting language that you put into HTML and is understood by web browsers. |
| What is for-in loop | The for-in loop is used to loop through properties of an object |