# Career Services Assignment 3 – JavaScript 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 is JavaScript? | JavaScript is a client-side and server-side scripting language inserted into HTML pages and is understood by web browsers. JavaScript is also an Object-based Programming language.1 |
| What are the 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 a structured programming languages like C++ or C, whereas JavaScript is a client-side scripting language. 1 |
| What are the 5 JavaScript Data Types? | Number, String, Boolean, Object, Undefined1 |
| What does NaN mean? | Not a number1 |
| What is the use of the isNaN function? | isNan function checks to see if the argument is not a number; If so, it returns true; otherwise, it is false. 1 |
| What is negative Infinity? | Negative Infinity is a number in JavaScript which can be derived by dividing a negative number by zero. 1 |
| Who developed JavaScript for what company? | JavaScript was invented by Brendan Eich in 1995. It was developed for Netscape 2, and became the ECMA-262 standard in 1997.2 |
| What are undeclared 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. 1 |
| What are undefined variables? | 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. 1 |
| What are global variables? How are these variables 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.  Example: // Declare a global:  globalVariable = “Test”;  The problems faced by using global variables are the clash of variable names of local and global scope. Also, it is difficult to debug and test the code that relies on global variables. 1 |
| What is a prompt box? | A prompt box is a box that allows the user to enter input by providing a text box. A label and box will be provided to enter the text or number. 1 |
| What is ‘this’ keyword in JavaScript? | The JavaScript this keyword refers to the object it belongs to.3 |
| Which symbols are used for comments in JavaScript? | // for Single line comments and  /\* Multi  Line  Comment  \*/ 1 |
| 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. 1 |
| What is the difference between =, ==, and ===? | = Assignment operator-Assigns a value to a variable  == Abstract Equality operator-Loosely checks for equality in value between two variables. It will convert data type automatically. Returns a Boolean result.  === Strict Equality/Identity operator-Strictly checks for equality in value and data type between two variables. It is data type-sensitive. Returns a Boolean result.4 |
| What are the 3 main looping structures in JavaScript? | For, While, Do-while loops1 |
| What is variable typing in JavaScript? | Variable typing is used to assign a number to a variable. The same variable can be assigned to a string. Example:  i = 10;  i = "string;" 1 |
| How can you convert a string to an integer in JavaScript? | The parseInt function converts its first argument to a string, parses that string, then returns an integer or NaN.5 It is commonly used when processing user input. |
| What would be the result of 3+2+”7″? | 57-Since 3 and 2 are integers, they will be added numerically. And since 7 is a string, its concatenation will be done. 1 |
| What is 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. 1 |

**Sources**

1 <https://www.guru99.com/javascript-interview-questions-answers.html>

2 <https://www.w3schools.com/js/js_history.asp>

3 <https://www.w3schools.com/js/js_this.asp>

4 <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Equality_comparisons_and_sameness>

5 <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/parseInt>