**Lesson 9 - JavaScript:**

**Functions, Arrays, & Establishing a Domain**

**Homework**

**Questions**

1. **How can we access the item “Banana” in the following array?**

var fruits = [“Apple”, “Banana”, “Coconut”];

1. **How can we access the item “Banana” in the following object?**

var groceries = {

fruits: [“Apple”, “Banana”, “Coconut”],

vegetables: [“Asparagus”, “Broccoli”, “Carrot”]

};

1. **How can we access the item “Banana” in the following array?**

var groceries = [

[“Apple”, “Banana”, “Coconut”],

[“Asparagus”, “Broccoli”, “Carrot”]

];

1. **Using a FOR IN loop, and an IF statement, break out of the loop if you find an item matching the word “Banana”**

var fruits = [“Apple”, “Banana”, “Coconut”];

1. **True/False - You should always avoid using “new Array()”**
2. **Write a for loop that will fill the following array with the numbers 0 through 10 (inclusive)**

var numberArray = [];

1. **Using a pre-defined array method, please sort the following array.**

var numberArray = [5, 1, 3, 2, 4, 6, 9, 7, 8, 10, 0];

1. **Please convert the following object to be a function.** 
   1. **Ensure that we can still do a phone.dial(“360-620-8204”); even after you have converted this object to a function.**
   2. **Ensure that connect is a private function.**

var phone = {

dial: function(phoneNumber) {},

hangUp: function(){},

connect: function(){},

};

1. **Please list 5 properties and 5 methods that would make sense for a Pokemon!**
2. **Please list any properties or methods that make sense for an Apple (like the fruit).**
3. **True/False - These all mean basically the same thing**
   1. Call a function
   2. Start a function
   3. Invoke a function
4. **What does “this” reference in the following example?**

function doSomeStuff() {

console.log(this);

}

**Project!**

* I want to see your best interpretation of Tick-Tack-Toe!