

Homework Due October 22

Read Chapter 4 in the *JavaScript for Kids* text typing the examples in blue into your Google console. We will complete the programming challenges for that chapter together in the next class.

Make sure you have a text editor installed on the computer you bring to class. We will definitely be needing it for our next class as we will be learning some HTML basics. Past students have used Notepad++, Atom, or Sublime.

Review the two in-class examples below and make sure you can follow along. I don't expect you to generate this kind of code yourself, but I do expect you to be able to figure it out.

There is nothing to turn in this week except questions about the work if you have them.

Example 1

```
var myDog = {}; //an empty object is assigned into myDog
myDog.name = "Bella"; //myDog object already exists, use equal sign to assign values into keys
myDog.breed = "mini schnauzer";
myDog.hasFleas = false;
myDog;

var myDogKeyList = Object.keys(myDog);
myDogKeyList;

//Get the value from a random key

myDog[myDogKeyList[Math.floor(Math.random() * myDogKeyList.length)]];
```

Example 2

```
//Here's an array of objects. This is for review; bRUCE is a mistake on purpose
var superStudents = [

  {firstName: "bRUCE", lastName: "Banner", "special notes": "anger issues", grade: 100},

  {firstName: "Steve", lastName: "Rogers", "special notes": null, grade: 95},

  {firstName: "Tony", lastName: "Stark", "special notes": "extreme sarcasm", grade: 50}

];

superStudents;
superStudents[0];
superStudents[1];
superStudents[2];
```

```
/* Let's perform a little JavaScript acrobatics with this review */

++superStudents[2].grade; //adds 1 into Tony Stark's grade which is now 51

//this works a little different
superStudents[2].grade++; //his grade will still be 51,
superStudents[2].grade; //now his grade increased to 52

superStudents; //let's look at the whole thing and see the grade change

var firstLetter = superStudents[0].firstName[0].toUpperCase(); //fixing bRUCE now

var remainingLetters = superStudents[0].firstName.slice(1);

remainingLetters = remainingLetters.toLowerCase();

superStudents[0].firstName = firstLetter + remainingLetters;

console.log(superStudents[0].firstName + " is now corrected.");

console.log("There are " + superStudents.length + " students in the class.");

superStudents.push({firstName: "Natasha", lastName: "Romanov", "special notes": "beats up boys",
grade: 70}); //adding an element to the end of superStudents array, the element is an object

console.log("Now there are " + superStudents.length + " students in the class.");

superStudents;
```