Homework Due October 8

Start reading in the *JavaScript for Kids* text on page 39. Type all the blue-colored examples in the reading into your Google Chrome console. Stop reading right before the DECISION MAKER section on page 56. Also, install onto the computer you bring to class your text editor of choice if you don't have it already. I'll be using Notepad++ in class. I know Atom and Sublime are also popular. If you choose a different text editor than me, you are completely responsible for knowing how to use it. I don't want to utilize class time for text-editor-user lessons; they are easy enough to learn without help from me.

1. Complete Programming Challenge #4 on page 61. Page 53 has the information to help you.

2. Complete the following two scenarios.

Scenario 1: A new programmer decides he is going to concatenate (join) three arrays to make a new bigger array he saves into the variable groceryList. Type the following into your console...

```
momsList = ["dark chocolate","milk chocolate","diet soda"]; //this is a terrible list!!!
dadsList = ["Velveeta","Rotel","tortilla chips"];
sonsList = ["pizza","Cheez-Its","deodorant"];
var groceryList = momsList + dadsList + sonsList;
groceryList;
```

a. What is wrong with Scenario 1?

b. He wanted an array. What data type does groceryList turn out to be for Scenario 1?

c. Did the JavaScript interpreter kick an error for Scenario 1?

Scenario 2: The same programmer alters his code. Type the following into your console...

```
momsList = ["dark chocolate","milk chocolate","diet soda"]; //this is a terrible list!!!
dadsList = ["Velveeta","Rotel","tortilla chips"];
sonsList = ["pizza","Cheez-Its","deodorant"];
var groceryList = momsList.concat(dadsList, sonsList);
groceryList;
```

a. Did Scenario 2 correctly concatenate (or join) the three arrays?

b. Did the .concat method mutate (or change) momsList, dadsList, or sonsList?