GA

1) HAVE SLACK OPEN

2) OPEN UP YOUR HOMEWORK (CASH REGISTER)

SNACKS & DESIGN

TODAY!

ASHLEY SULLIVAN, LISA VASQUEZ

(GOOGLE SHEET IS PINNED IN SLACK)

Q & A

"How would frameworks have made the cash register exercise easier?"

*"Can you show us how you guys
have used functions in your projects?"*

"Can you link large functions created in other files into the scripts you currently are writing? Or is this a stupid question, and is that exactly what jQuery is doing?"

"I guess I'm unclear on the order to put things in, in my main.js file. I tried to add an if, else if, else, after writing my functions for the temperature converter, but it wasn't having the desired effect. Is order important for a circumstance like this?"

"Starting an IF Statement"

"Any suggestions outside of checking the console if I'm confused?"

"How real is the Ballmer Peak? https://xkcd.com/323/"

"How to figure out the best way to write the js, not just the way that kinda works."

Cash Register Solution

ARRAYS

Eric Boyer

LEARNING OBJECTIVES

‣ Define arrays

‣ Practice using indexes to access array elements

‣ Apply JS and jQuery knowledge to program a carousel.

AGENDA

▸ Review

▸ Arrays

▸ Lab — Image Carousel

REVIEW

Keyword

Name

```
function pickADescriptiveName() {
    // Series of statements to execute
}
```

Code block

▸ To run the code in a function, we '**call**' the function by using the function name followed by parenthesis.

pickADescriptiveName();

Function name

Parameters

```
function multiply(param1, param2) {
    return  param1 * param2;
}
```

We can use these parameters like
variables from within our function

Arguments

multiply(350, 140)

ACTIVITY — HOMEWORK REVIEW

EXERCISE

KEY OBJECTIVE

▸ Review last week's material, practice reading and interpreting JavaScript

TYPE OF EXERCISE

▸ Paired

TIMING

15 min

1. Walk through the rock paper scissors solution with a partner, line-by-line and discuss what each line of code is doing.

2. Add (brief) comments above each line describing what's happening.

ARRAYS

ARRAYS

0. Milk
1. Eggs
2. Frosted Flakes
3. Salami
4. Juice

STORING LISTS OF VALUES

▸ An array can be used to **store a list of values in a single variable**

▸ Holds an ordered collection of values

▸ Can hold numbers, strings, even other arrays!

▸ Good for things like a grocery list, a list of states, or any other list

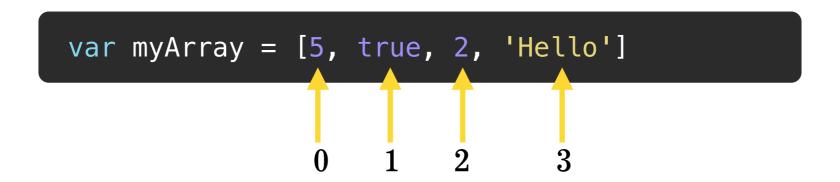# DECLARING ARRAYS

```
var descriptiveNameHere = [item1, item2, item3];
```

ARRAYS – INDEXING

▸ Each item in an array has an **index**, by which you can access that item.
▸ The first item has an index of **0**, the second item 1, the third item 2, etc.

0. Milk

1. Eggs

2. Frosted Flakes

3. Salami

4. Juice

ARRAYS – ACCESSING ITEMS BY INDEX

‣ Each item in an array has an **index**, by which you can access that item.
‣ The first item has an index of **0**, the second item 1, the third item 2, etc.

```
var myArray = [5, true, 2, 'Hello']
```

0   1   2   3

ARRAYS — ACCESSING ITEMS IN AN ARRAY

Accessing items in array:

`myArray[1]`	→ true	`myArray[2]`	→ 2
`myArray[0]`	→ 5	`myArray[3]`	→ 'Hello'

```
var myArray = [5, true, 2, 'Hello']
```

INSERTING A NEW VALUE

▸ We can insert new values into any space in the array using the positions index.

```
myArray[1] = 'Hello';
```

UPDATING VALUES

▸ If there's already an item at that position, it will be replaced with the new value.

```
var myArr = [65, 'hello', true];
myArr[1] = 'goodbye';
// myArr[1] now holds 'goodbye' instead of 'hello'
```

ARRAYS – LENGTH

‣ We can use the .length property to find out how many items are in an array

```
var shapes = ['circle', 'triangle', 'square'];
```

```
shapes.length;
```
=> 3

‣ Accessing the last element in an array:

```
console.log(shapes[shapes.length-1]);
```
=> Prints 'square'

CODE ALONG — ARRAYS

LAB

ACTIVITY — IMAGE CAROUSEL

EXERCISE

KEY OBJECTIVE

▸ Apply JS and jQuery knowledge to program a carousel.

TYPE OF EXERCISE

▸ Paired

TIMING

15 min   Write pseudo code

ACTIVITY — IMAGE CAROUSEL

EXERCISE

KEY OBJECTIVE

▸ Apply JS and jQuery knowledge to program a carousel.

TYPE OF EXERCISE

▸ Paired

TIMING

Until 8:50   Implement with JS code

FOCUS ON NEXT/ PREVIOUS FIRST! DON'T WORRY ABOUT LIKES FOR NOW.

LEARNING OBJECTIVES

- ‣ Define arrays
- ‣ Practice using indexes to access array elements
- ‣ Apply JS and jQuery knowledge to program a carousel.

FINAL PROJECT MILESTONE 2: PROPOSAL CHECK-INS W/ ERIC

~~Katie Allyn~~
~~Kimberly Baird~~
~~Tom Bunting~~
~~Michael Fischer~~
Jim Howes
~~Jon Iler~~
Peyton Lee
Anna Matras
~~Christopher Zalek~~

Corin Menuge
Colin Quirk
Allison Schaffer
Kevin Sella
Michael Sena
~~Nicholas Skeba~~
Ashley Sullivan
Lisa Vasquez
Katrina Wang
Jason Li

SNACKS & DESIGN

TUESDAY MAR 22ND

KATRINA WANG, JASON LI

(GOOGLE SHEET IS PINNED IN SLACK)

EXIT TICKETS