Arrays

What is an array?

- A special variable type that holds multiple values
- Think of it as a list
- Every item has an index (like in a string)

Syntax

```
var names = [“Kimi”, “Quentin”, “Tony”];
```

names[0] → “Kimi”
names[1] → “Quentin”
names[2] → “Tony”

Methods

- pop() - returns and removes last item
- push() - adds item to end
- shift() - returns and removes first item
- unshift() - adds item to front
- toString() - Converts entire array to a string
- slice() - substring for arrays
- splice() - insert items in a particular position

Splice

splice(index to insert at, items to remove, items to add)

- can remove 0 items
- can add as many items as you want
- when removing items they start at the index and continue after

Using Arrays

```
var a = [1, 2, 3, 4, 5, 6];
```

- Switch the first and last item
- Create an array that is the sum of each pair
- Add 7, in the middle of the array
- Replace 2 with “two”