

## Lists and Arrays

### Corresponding Material

Data Structures, Lesson 1: Intro to Lists/ Arrays

### Discussion

Lists (also called arrays) are an important data structure in computer science. We can keep track of an ordered collection of items in a list. The ability to store and access items in a list allows us to build much more interesting programs.

### Class Exercise

The best way to learn to use arrays is to practice!

1. Write out a list of your five favorite foods here:

My Favorite Foods
1.
2.
3.
4.
5.

2. Fill in the blanks with the items from your favorite foods list:

```
var favoriteFoods = ["_____", "_____", "_____",  
"_____", "_____"];
```

3. Use indexing to find specific items in your list.

- a. Find the first item: \_\_\_\_\_
- b. Find the last item: \_\_\_\_\_
- c. Find the third item: \_\_\_\_\_

4. Use indexing to replace specific items in your list:

- a. Replace the second item with "popcorn": \_\_\_\_\_
- b. Replace the last item with a friend's favorite food: \_\_\_\_\_