

## Using Arrays | Lesson 5

# Practice: Array Iterator Methods

## Instructions

Complete each of the following tasks by writing code to manipulate the provided arrays. Your solution should only use the array methods covered in the lesson:

`push()`, `pop()`, `unshift()`, `shift()`, `includes()`, `indexOf()`, `lastIndexOf()`, `concat()`, `slice()`, `splice()`, `sort()`, and `reverse()`. Submit the final version of the arrays as specified after each task.

## Instructions

### Task 1: Using `forEach()`

1. Create an array of five of your favorite cities.
2. Use `forEach()` to log each city name to the console in uppercase.
3. Submit the output format by adding comments to the code.

### Task 2: Transforming with `map()`

1. Create an array called `numbers` with the numbers 1-5.
2. Use `map()` to create an array where each number is squared. Call this array `squares`.
3. Log the new array.
4. Submit the output by adding comments to the code.

### Task 3: Filtering with `filter()`

1. Create an array called `scores` containing the numbers 85, 42, 90, 75, 30, and 100.
2. Use `filter()` to create a new array containing only the scores greater than or equal to 80. Call this array `highScores`.
3. Log the new array.
4. Submit the output by adding comments to the code.

#### Task 4: Finding with find() and findIndex()

1. Create an array called favoriteFood that contains a list of your favorite dishes. Try to add 5 or 6 elements.
2. Use find() to locate the first food with more than 4 letters.
3. Use findIndex( ) to find the index of that fruit.

#### Setup

For this activity, you will create your own repository to store your code:

1. Create a new repository.
2. Name it: practice-array-iterator-methods-[Your First Name]-[Your Last Initial]
3. Make sure the repository is public.
4. Clone the repository to your local machine.
5. Start working on the code.

#### Submission

Submit the url for your GitHub repo in the field below.