

# Lesson 3

CodingBat and Arrays



# Arrays

Concept & Examples

# What is an array?

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- An array is a list of elements
- The declaration of an array looks like:

```
(type) [] (name) = new (type) [number];
```

```
Ex. int[] arr1 = new int[5];
```

0	1	2	3	4
---	---	---	---	---

# How to use an Array

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If you want to store a value in a position in an array, you can do it by writing:

```
int[] num = new int[5];
```

```
int number = 2;
```

```
num[0] = number;
```

# Try it Out!

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Go to the online Java compiler and try out this challenge:

Make a String array named 'arr2', and make it 5 elements long.

Fill in each element with your name using a for loop!

# Workbooks

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Go to [www.codingbat.com](http://www.codingbat.com) and start to work on these problems in

String 1

✓ theEnd

✓ withouEnd2

✓ middleTwo

✓ endsLy

✓ nTwice

✓ twoChar

Warmup 1

✓ diff21 H

✓ parrotTrouble H

✓ makes10 H

# Gimkit

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Time for a Gimkit! Go to [gimkit.com/play](https://gimkit.com/play) and join the game

Methods: [gimkit.com/view/5f657ccac11d1200226928d2](https://gimkit.com/view/5f657ccac11d1200226928d2)

Arrays: [gimkit.com/view/5f583d86f017010022771026](https://gimkit.com/view/5f583d86f017010022771026)

# Questions?

Contact us here:

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