



# Lesson 4

Codingbat and Arrays

April 30, 2021

# Array Review

---

- 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];
```



# How to use an Array

---

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 num1 = 2;
```

```
num[2] = num1;
```

# Length

---

To get the length of the array, use `.length`

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

```
System.out.println(arr.length);
```

To access the last element of the array, use `length-1`

```
arr[arr.length-1] = 4;
```

# Practice Problems

---

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

Array 1

✓ firstLast6 H

✓ sameFirstLast H

✓ makePi

✓ commonEnd

✓ sum3

✓ rotateLeft3

Warmup 1 (Optional)

✓ mixStart H

✓ startOz H

✓ intMax H

# Gimkit

---

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

[Arrays \(CP102 L4\)](#)

# Questions?

Contact us here:

Email:

[codingpower101@gmail.com](mailto:codingpower101@gmail.com)

Website:

[codingpower.org](http://codingpower.org)