

# Introduction to Swift

Part 4: Arrays

# Swift Arrays

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... = [ **item 1** , **item 2** , **...** ]

- ⚙ Arrays contain multiple values in an ordered list
- ⚙ The same value can appear multiple times
- ⚙ Arrays must be defined to use a certain type
- ⚙ Use AnyObject to define any type
- ⚙ Default to immutable arrays whenever possible

# Array Bridging

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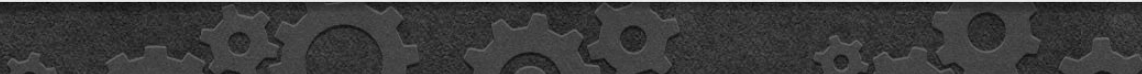
- ⚙ Swift arrays seamlessly bridge to NSArray
- ⚙ To bridge from Swift, objects must be AnyObject compatible
- ⚙ Bridging from NSArray creates an AnyObject array

```
var myArray = ["one", "two", "three"]  
var bridgedArray = myArray as NSArray
```

```
var cocoaArray = NSArray(arrayLiteral: "one", "two", "three")  
var swiftArray = cocoaArray as? Array<String>
```

# Demo

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# Challenge Time!

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- ⚙️ Make an array with "C", "C++", and "Objective-C"
- ⚙️ Append "Swift" to the array
- ⚙️ Insert "Javascript" at index 2
- ⚙️ Remove "Objective-C" (without hard-coding the index)

