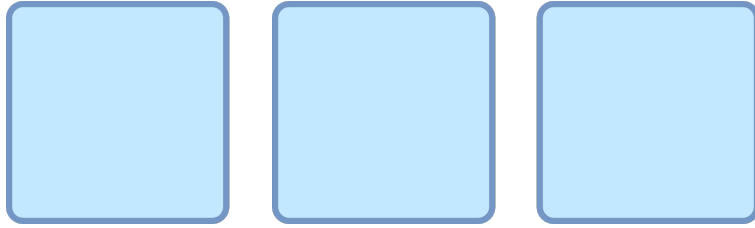


How to Make an App For Beginners

Module 2
Lesson 4
Worksheet



Welcome!

In this worksheet, you'll practice working with Arrays.

Just in case you don't remember how you got here (or if you need a refresher), Lesson 4 can be found here:

<https://www.youtube.com/watch?v=Z3USeqHs4X8>

Step #1: We'll be doing these exercises in a Swift Playground.

Open Xcode and create a new playground
(File Menu->New->Playground).

From the list of Playground templates, just select "**Blank**"

Step #2: Let's try out some Array declaration syntax. Type out the following code in your own playground.

```
// Array declaration
var array = [String]()
var array2 = ["e", "f"]
```

Step #3: Now we're going to practice adding some elements. Type the following code out below the code from the previous step.

```
// Adding elements
array.append("a")
array += ["b"]
array += ["c", "d"]
print(array)

array.append(contentsOf: array2)
print(array)
```

Step #4: Let's remove some elements in various ways. Type the following code out below the code from the previous step.

```
// Accessing elements
print(array[0])
print(array[1])
print(array.count)
```

Step #5: Let's look at some techniques to remove items. Type the following code out below the code from the previous step.

```
// Removing element at an index
array.remove(at: 0)
print(array)

// Removing the last item
array.remove(at: array.count-1)
print(array)

// Another way to remove the last item
array.removeLast()
print(array)

// Remove the first item and print it
print(array.removeFirst())
print(array)
```

You're done! If you completed this exercise, celebrate and let me know on Twitter!

<https://twitter.com/CodeWithChris>

Here's my playground if you want to compare it to yours:

<https://codewithchris.com/code/Module02Lesson04Playground.zip>