

# How to iterate over Array using While Loop in Swift?

## Swift Array – While Loop

To iterate over each element of a Swift Array, we may use while loop, increment index from 0 until array length, and access each element during respective iteration.

The following code snippet demonstrates how to use while loop with array, and iterate over each element of the array.

```
var i = 0
while i < array.count {
    var element = array[i]
    //code
}
```

during each iteration, we have access to ith element, where `i` increments from 0 until the array length.

## Example

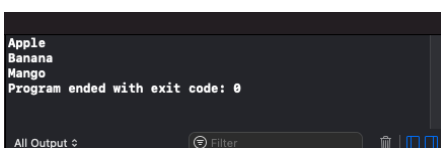
In the following program, we will take a string array, `fruits`, and iterate over each of the element using while loop.

**main.swift**

```
var fruits:[String] = ["Apple", "Banana", "Mango"]

var i = 0
while i < fruits.count {
    let fruit = fruits[i] //access ith element
    print(fruit)
    i += 1
}
```

## Output



```
Apple
Banana
Mango
Program ended with exit code: 0
```

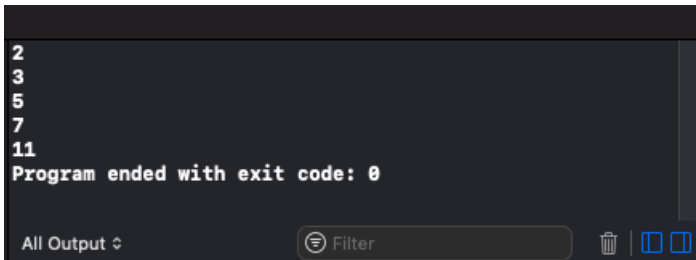
Now, let us take an array of integers, and iterate over this array using while loop.

**main.swift**

```
var primes:[Int] = [2, 3, 5, 7, 11]

var i = 0
while i < primes.count {
    let prime = primes[i]
    print(prime)
    i += 1
}
```

## Output



```
2
3
5
7
11
Program ended with exit code: 0
```

## Conclusion

Concluding this [Swift Tutorial](#), we learned how to iterate over array elements using while loop in Swift.

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### Swift Tutorial

- Swift Tutorial
- Swift Keywords
- Swift Comments
- Swift If
- Swift If-Else
- Swift For Loop
- Swift While Loop
- Swift forEach
- Swift Repeat While Loop
- Swift Break
- Swift Continue
- Swift Tuple
- Swift Enum
- Swift Structure

### Strings

↳ [Swift - Substring](#)

↳ [Swift - Concatenate Strings](#)

## Arrays

↳ [Swift Array Initialization](#)

↳ [Swift Print Array](#)

↳ [Swift Integer Array](#)

↳ [Swift append Integer to Array](#)

↳ [Swift String Array](#)

↳ [Swift append String to Array](#)

↳ [Swift Get Array Size - count](#)

↳ [Swift Remove an Element from Array](#)

↳ [Swift Append / Concatenate Arrays](#)

↳ [Swift Check if an Array is Empty](#)

## Dictionaries

↳ [Swift Dictionary](#)

↳ [Swift - Create Dictionary](#)

↳ [Swift - Create Dictionary using Arrays](#)

↳ [Swift - Iterate through Dictionary](#)

↳ [Swift - Get Dictionary Size](#)

↳ [Swift - Check if Dictionary is Empty](#)

↳ [Swift - Add or Append Element to Dictionary](#)

↳ [Swift - Get value using key in Dictionary](#)

↳ [Swift - Check if a key is present in Dictionary](#)

↳ [Swift - Merge Two Dictionaries](#)

↳ [Swift - Convert Dictionary into Arrays of Keys and Values](#)

↳ [Swift - Print all Keys in a Dictionary](#)

## Sets

↳ [Swift Print Set](#)

↳ [Swift Get Set Size](#)

↳ [Swift Insert Element to Set](#)

↳ [Swift Check if Element is present in Set](#)

## File Operations

↳ [Swift Read Text File](#)

## Swift Errors [Solved]

## Swift Errors [Solved]

↳ Swift error: return from initializer without initializing all stored properties

↳ Swift - struct error: missing argument labels in call