1.

import Foundation

var numbers = [Int]()

for arr in 1...255

{

numbers.append(arr)

}

print(numbers)

A screenshot of a computer

Description automatically generated

2.

import Foundation

var numbers = [Int]()

for arr in 1...255

{

numbers.append(arr)

}

numbers.swapAt(Int.random(in : 1...255),Int.random(in : 1...255))

print(numbers)

A screenshot of a computer

Description automatically generated

3.

import Foundation

var numbers = [Int]()

for arr in 1...255

{

numbers.append(arr)

}

for i in 1...100{

numbers.swapAt(Int.random(in : 1...255),Int.random(in : 1...255))

}

print(numbers)

A screenshot of a computer

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4.

import Foundation

var numbers = [Int]()

for arr in 1...255

{

numbers.append(arr)

}

for i in 0..<numbers.count{

if numbers[i] == 42{

print("We found the answer to the Ultimate Question of Life, the Universe, and Everything at index \_\_ ")

numbers.remove(at:i)

break;

}

}

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