**for** value **in** range {

statements

}

**for** num **in** 1...5{ *// 1 <= num <= 5*

print(num)

}

**for** num **in** 2...7{ *// 2 <= num <= 7*

print(num)

}

**for** num **in** stride(from: 1,to: 10, by: 2){ *// num: 1, 3, 5, 7, 9*

print(num)

}

**for** num **in** stride(from: 20,to: 10, by: -3){ *// num: 20, 17, 14, 11*

print(num)

}

**for** num **in** (4...8).reversed(){ *// num: 8, 7, 6, 5, 4*

print(num)

}

for n in 1...10 {. *// num: 1 … 10*

print(n)

}

for n in 1...10 {

print(n, “ “,**terminator:""**)

}

for index in 1...5 {

print("\(index) times 5 is \(index \* 5)")

}

// 1 times 5 is 5

// 2 times 5 is 10

// 3 times 5 is 15

// 4 times 5 is 20

// 5 times 5 is 25

for index in stride(from: 5, to: 1, by: -1){

print(index)

}

**for** n **in** stride(from: 10, through: 1, by: -1){

*print(n," ", terminator: "")*

}

*for n in (1...10).reversed(){*

*print(n," ", terminator: "")*

}

let base = 3

let power = 10

var answer = 1

for \_ in 1...power {

answer \*= base

}

print("\(base) to the power of \(power) is \(answer)")

* // Prints "3 to the power of 10 is 59049"

**for** i **in** 1...10{

**for** j **in** 1...10{

print(String(format: "%3d",(i \* j))," ", terminator:"")

}

print()

}

let minutes = 60

for tickMark in 0..<minutes {

// render the tick mark each minute (60 times)

* }

let minuteInterval = 5

for tickMark in stride(from: 0, to: minutes, by: minuteInterval) {

// render the tick mark every 5 minutes (0, 5, 10, 15 ... 45, 50, 55)

* }

let hours = 12

let hourInterval = 3

for tickMark in stride(from: 3, through: hours, by: hourInterval) {

// render the tick mark every 3 hours (3, 6, 9, 12)

* }

for n in stride(from:1, to:10, by: 2){

print(n)

}

for n in stride(from:20, to:10, by: -2){

print(n)

}

for index in 1...5 {

print("\(index) times 5 is \(index \* 5)")

}

for n in (1...4).reversed(){

print(n)

}

let names = ["Anna", "Alex", "Brian", "Jack"]

for name in names {

print("Hello, \(name)!")

}

let numberOfLegs = ["spider": 8, "ant": 6, "cat": 4]

for (animalName, legCount) in numberOfLegs {

print("\(animalName)s have \(legCount) legs")

}

let names = ["Anna", "Alex", "Brian", "Jack"]

for name in names {

print("Hello, \(name)!")

}

// Hello, Anna!

// Hello, Alex!

// Hello, Brian!

// Hello, Jack!

let numbers = [1, 2, 3, 4, 5, 6]

var sum = 0

for i in numbers {

sum += i

}

let scores = ["Bob": 42, "Alice": 99, "Jane": 13]

for (name, score) in scores

{

print("\(name)'s score is \(score)")

}

print(sum)

let primes = [2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31]

for (n, prime) in primes.enumerated()

{

print("\(n) = \(prime)")

}

let buttons = [loginButton, signupButton, facebookButton]

for button in buttons {

button.backgroundColor = UIColor.red

button.layer.cornerRadius = 5.0

}

let points = [0.1, 0.2, 0.3, 0.5, 0.7, 0.8]

for x in 0..<points.count {

let y = points[x]

graph.drawPoint(x, y)

}