

Swift Programs Starter 1.1

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1. Program to Add 3 Numbers & Find factorial.

Ans. Program:

import Foundation

func Add3Num(a: Int, b: Int, c: Int)

{

var sum = 0

sum = a + b + c

print("Answer = \(sum)")

}

func Factorial(x: Int)

{

var sum = 1

for i in 1...x

{

sum = sum \* i

}

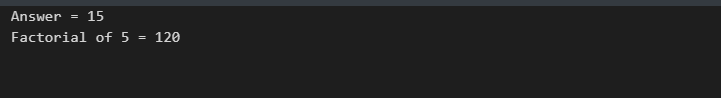
print("Factorial of \(x) = \(sum)")

}

Add3Num(a: 2, b: 3, c: 10)

Factorial(x: 5)

Output:



1. Program to check if number is prime.

Ans. Program:

import Foundation

var num = 12

var prime = true

func CheckPrime(num: Int)

{

for i in 2...num-1

{

if (num % i == 0)

{

prime = false

}

}

if (prime == false)

{

print("\(num) is non prime")

}

else

{

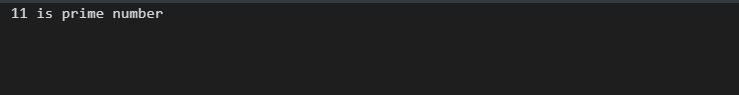
print("\(num) is prime number")

}

}

CheckPrime(num: 11)

Output:



1. Program to demonstrate computed property.

Ans. Program:

import Foundation

struct Temperature {

var celsius: Double

var fahrenheit: Double {

celsius \* 1.8 + 32

}

var kelvin:Double {

celsius + 273.15

}

}

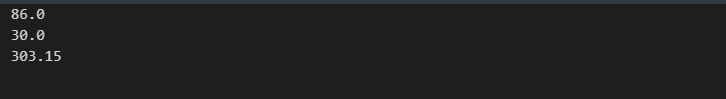
let currentTemperature = Temperature(celsius: 30.0)

print(currentTemperature.fahrenheit)

print(currentTemperature.celsius)

print(currentTemperature.kelvin)

Output:



1. Programs to print reverse Array.

Ans. Program:

import Foundation

var a = [Int]()

var len = 0

a = [1,2,3,4,5]

len = a.count

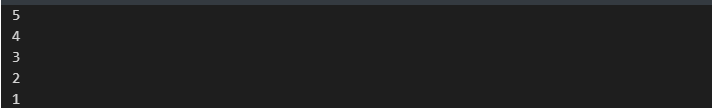
for i in stride(from: len-1, through: 0, by: -1)

{

print("\(a[i])")

}

Output:



1. Program to demonstrate Structure.

Ans. Program:

import Foundation

struct Length {

var meter: Double

var foot: Double {

meter \* 3.281

}

}

let l = Length(meter: 5.0)

print("\(l.meter) Meter = \(l.foot) Foot")

Output:

