//1

let dic = [["name": "pengyun", "age": 19], ["name": "chenting", "age": 19], ["name": "yuanli", "age": 20]]

let str = dic.map( { $0["name"]! } )

print(str)

//2

let arr1 = ["pengyun", "1whsas8f", "218", "1124"]

let arr2 = arr1.filter( { Int($0) != nil } )

print(arr2)

//3

let arr3 = ["pengyun", "1whsas8f", "218", "1124"]

var str1 = arr3.reduce("", { $0 + "," + $1 })

str1.remove(at: str1.startIndex)

print(str1)

//4

//5

func f1(a: Int) -> Int {

return a

}

func f2(a: String) -> Int {

return Int(a)!

}

func f3() -> Int {

return 2

}

func f4(a: Int) {

}

func f5(a: Int) -> Int {

return a + 1

}

let funArr: [Any] = [f1, f2, f3, f4, f5]

for (index, value) in funArr.enumerated() {

if value is (Int) -> Int {

print(index)

}

}

//6

//7

func getMaxAndMin<T: Comparable>(a: T...) -> (T, T) {

var max = a[0]

var min = a[0]

for item in a {

if item > max {

max = item

} else if item < min {

min = item

}

}

return (max, min)

}

print(getMaxAndMin(a: 1, 2, 3, 9, 2, 88))

print(getMaxAndMin(a: 1.0, 2.0, 3.0, 9.0, 2.0, 88.0))

print(getMaxAndMin(a: "a", "b", "A", "sss"))