

```
/*
1. What is computationally cheaper to initialise, value type or a reference type?
*/

/*
2. What will be printed out? What is a reference count of myCat at the end of the
function?
*/
class Cat {
    var name: String = "Barsik"
}

func modify(cat: Cat) {
    cat.name = ""
}

let myCat = Cat()
print(myCat.name)
modify(cat: myCat)
print(myCat.name)

weak var weakCat: Cat? = myCat

/*
3. What will be printed out?
*/
class ValueWrapper {
    var value = 10
    func change() {
        var newValue = value
        newValue += 1
    }
}

let wrapper = ValueWrapper()
wrapper.change()
wrapper.value += 5
print(wrapper.value)

/*
4. Do we have a garbage collector in Swift?
*/

/*
5. How to break a retain cycle?
*/
class A {
    var b: B?
}

class B {
    var a: A?
}

let aInstance = A()
let bInstance = B()
aInstance.b = bInstance
bInstance.a = aInstance
```