

Swift

Swift optional type Swift Swift 1.0 array Swift 2.0

Swift 1.0 var let array var let array reference array Swift 1.0

```
var shoppingList = ["Eggs", "Milk"]
```

```
// array
shoppingList[0] = "Salad"
```

```
let shoppingList = ["Eggs", "Milk"]
```

```
// array
shoppingList[0] = "Salad"
```

Swift 1.0 array object "reference type" array reference array shoppingList array reference
shoppingList[0] array

var let shoppingList reference shoppingList array

```
var shoppingList = ["Eggs", "Milk"]
```

```
// array reference
shoppingList = ["Salad", "Noodles"]
```

```
// array
shoppingList[0] = "Salad"
```

```
let shoppingList = ["Eggs", "Milk"]
```

```
// array reference
shoppingList = ["Salad", "Noodles"]
```

```
// let array
shoppingList[0] = "Salad"
```

var let shoppingList reference shoppingList[0]

var let array reference array var let reference stack Swift 1.0 array heaparray var let

C++ int const * int * const Objective C NSArray NSMutableArray Swift var let Objective C NSArray
NSMutableArray var let

Swift 2.0 Swift 2.0 array reference type value type array array value type shoppingList reference
array array value type var let

```
let shoppingList = ["Eggs", "Milk"]
```

```
// array shoppingList value type
// array
// array
shoppingList[0] = "Salad"
```

array value type array array array

```
var a = [1, 2, 3]
```

```
// a b
// a b array
var b = a
```

array array arrayJavaC#..... array value type

value type GC Swift Rust value type reference type JavaSchemePython value type reference type
Java GC escape analysis value type SwiftRust C# value type

Swift 1.0 Swift array Swift 1.0 2.0 Apple Swift Swift Chris Lattner LLVM Apple Chris Lattner

Swift Go Swift """" Swift 3.0 Apple Swift Apple BTW Apple ;-)

Java value type

“ Java reference type Java Java value type reference type ”