

Complete list of swift short hand

****This tutorial has been updated for X code 7.3 & swift 2.2****

Some of the long swift code is used very frequently without modification. Because they are used often there are short hand version of it. They achieve same result with less writing of code. Here I am writing all the short hands I know till today & I will be adding more short hands as I learn them.

For it statement very frequently its checked if bool is true or false

```
var isItTrue = true

if isItTrue == true {
    print("bool = true")
}

// same as

if isItTrue {
    print("bool is true")
}

var isItFalse = false

if isItFalse == false {
    print("bool = false")
}

// same as

if !isItFalse {
    print("bool is false")
}
```

If else statement itself is used very frequently & here is short hand for that

```
var x = 0

if x == 5 {
    x = 0
}
else {
```

```
    x = 5
}
print(x)

// same as

x = x == 5 ? 0 : 5
print(x)
```

Adding or subtracting value from variable

```
var x = 0

x = x + 3
print(x)

// same as

x += 3
print(x)

var x = 6

x = x - 3
print(x)

// same as

x -= 3
print(x)
```

Creating empty array of object

```
var city = Array<String>()

// same as

var name = [String]()
```

Adding object to array

```
var city = [String]()

city.append("New York")
city.append("London")
city.append("Paris")
city.append("Tokio")
```

```

print(city)
// same as
var name = [String]()
name += ["John", "Casey", "Mike", "Richard"]
print(name)

```

Subtracting objects from array

```

var city = ["New York", "London", "Paris", "Tokio"]
var i = city.count - 1
city.removeAtIndex(i)
print(city)
// same as
city.removeLast()
print(city)

var city = ["New York", "London", "Paris", "Tokio"]

print(city)
city.removeAtIndex(0)
print(city)
city.removeAtIndex(0)
print(city)
city.removeAtIndex(0)
print(city)
city.removeAtIndex(0)
print(city)
city.removeAtIndex(0)
print(city)

// same as
var name = ["John", "Mike", "Dave", "Richard"]

print(name)
name.removeAll(keepCapacity: false)
print(name)

```

Replacing objects from array

```
var city = ["New York", "London", "Paris", "Tokio", "Bejing"]
```

```
print(city)
city[0] = "Boston"
print(city)
city[1] = "Manchester"
print(city)
city[2] = "Nice"
print(city)
city[3] = "Hiroshima"
print(city)
```

```
// same as
```

```
var name = ["John", "Mike", "Richard", "Jack", "Casey"]
```

```
print(name)
name[0...3] = ["Roger", "Jay", "Justin", "Brad"]
print(name)
```

```
var city = ["New York", "London", "Paris", "Tokyo"]
```

```
print(city)
city[0] = "Boston"
print(city)
city[1] = "Manchester"
print(city)
city[2] = "Nice"
print(city)
city[3] = "Hiroshima"
print(city)
```

```
// same as
```

```
var name = ["John", "Mike", "Richard", "Jack"]
```

```
print(name)
name[0..name.count] = ["Roger", "Jay", "Justin", "Brad"]
print(name)
```

Looping through array with for loop

```
var city = ["New York", "London", "Paris", "Tokyo"]
```

```
for var i = 0; i < city.count; i++ {
    print((i, city[i]))
}
```

```
// same as
```

```
for name in enumerate(city) {
```

```

    print(name)
}

var city = ["New York", "London", "Paris", "Tokyo"]

for var i = 0; i < city.count; i++ {
    print(i)
}

// same as

for (index, name) in enumerate(city) {
    print(index)
}

var city = ["New York", "London", "Paris", "Tokyo"]

for var i = 0; i < city.count; i++ {
    print(city[i])
}

// same as

for (index, name) in enumerate(city) {
    print(name)
}

```

Looping through numbers

```

for var i = 0; i <= 5; i++ {
    print(i)
}

// same as

for number in 0...5 {
    print(number)
}

```

Looping through dictionary

```

var age = ["Mom": 30, "Dad": 33, "Son": 2, "Daughter": 4]

var x = age["Mom"]!
print("Mom", "\(x)")
x = age["Dad"]!
print("Dad", "\(x)")
x = age["Son"]!
print("Son", "\(x)")

```

```

x = age["Daughter"]!
print("Daughter", "\(x)")

// same as

for name in age {
    print(name)
}

var age = ["Mom": 30, "Dad": 33, "Son": 2, "Daughter": 4]

var x = age["Mom"]!
print("Mom")
print("\(x)")
x = age["Dad"]!
print("Dad")
print("\(x)")
x = age["Son"]!
print("Son")
print("\(x)")
x = age["Daughter"]!
print("Daughter")
print("\(x)")

// same as

for (key, name) in age {
    print(key)
    print(name)
}

```

Multiple if else statements combined with switch

```

var i = 0

if i == 0 {
    print("i is equal to zero")
}
else if i == 1 {
    print("i is equal to one")
}
else if i == 2 {
    print("i is equal to two")
}
else {
    print("value of i is unknown")
}

switch i {
case 0:
    print("i is equal to zero")
}

```

```
case 1:  
    print("i is equal to one")  
case 2:  
    print("i is equal to two")  
default:  
    print("value of i is unknown")  
}
```