



Swift Programming Language

Hello World

```
println("Hello World !")
```

```
//var using make a variable.  
var hello = "Hello"
```

```
//let using make a constants.  
let world = "World !"
```

```
println("\ (hello) \ (world)")
```

Simple Values

```
var name = "ANIL"
```

```
//Weight type is Double.
```

```
var weight: Double = 74.4
```

```
//Correct.
```

```
var myVariable = 4
```

```
myVariable = 10
```

```
//Wrong, because myVariable type is Integer now.
```

```
var myVariable = 4
```

```
myVariable = "Four"
```

Simple Values

```
var text = "ANIL"  
var number = 7
```

//Combining two variables to one variable.

```
var textNumber = text + String(number)
```

```
println(textNumber)
```

For - If - Else - Else If

```
//0,1,2,3,4,5,6,7,8,9
for var i = 0; i < 10; i++ {
    println(i)
}
```

```
//1,2,3,4,5
for i in 1...5 {
    println(i)
}
```

```
if condition {
    /* Codes */
}
```

```
else if condition {
    /* Codes */
}
```

```
else {
    /* Codes */
}
```

Array - Dictionary

//**Make an array.**

```
var cities = [ "Istanbul", "Sivas", "San Francisco", "Seul" ]  
println(cities[0])
```

//**Make a dictionary.**

```
var cityCodes = [  
    "Istanbul Anadolu" : "216",  
    "Istanbul Avrupa" : "212",  
    "Ankara" : "312"  
]  
println(cityCodes["Istanbul Anadolu"] !)
```

Array

```
var stringArray = [ "Hello", "World" ]
```

```
// Add element into the array.
```

```
stringArray.append( "Objective - C" )
```

```
// Insert element into the array.
```

```
stringArray.insert( "Apple", atIndex: 2 )
```

```
// Remove element into the array.
```

```
stringArray.removeAtIndex(3)
```

```
// Remove last element into the array.
```

```
stringArray.removeLast()
```

Array

//Get element into the array.

stringArray[1]

stringArray[1...3]

//Get all elements into the array.

```
for (index, value) in enumerate(stringArray) {  
    println(" \ (index + 1). value is: \ (value)")  
}
```

//Get element count in the array.

stringArray.count

Dictionary

```
var airports = [ "SAW" : "Sabiha Gokcen Havalimani",  
"IST" : "Ataturk Havalimani" ]
```

```
// Add element in the dictionary.
```

```
airports[ "JFK" ] = "John F Kennedy"
```

```
// Get element count in the dictionary.
```

```
airports.count
```

```
// Update element in the dictionary.
```

```
airports.updateValue( "John F Kennedy Terminal",  
forKey: "JFK" )
```

Dictionary

//Remove element in the dictionary.

```
airports.removeValueForKey("JFK")
```

//Get all elements into the dictionary.

```
for (airportCode, airport) in airports {  
    println("Airport Code: \(airportCode) Airport:  
        \(airport)")  
}
```

//Get all keys.

```
var keysArray = airports.keys
```

//Get all values.

```
var valuesArray = airports.values
```

```
func sum(num1: int, num2: int) -> int {  
    return num1 + num2  
}
```

```
class hockeyScore {  
    //fields  
    var homeScore: Int  
    var awayScore: Int  
  
    //constructor  
    init(homeScore: Int, awayScore: Int) {  
        self.homeScore = homeScore  
        self.awayScore = awayScore  
    }  
  
    //methods  
    func homeGoal() {  
        homeScore = homeScore + 1  
    }  
  
    func awayGoal() {  
        awayGoal = awayGoal + 1  
    }  
  
    func getScore() -> (homeGoals: Int, awayGoals: Int) {  
        return (homeScore, awayScore)  
    }  
}
```

Thank you