1. Array:

* Stores values of same type
* Ordered List
* Duplicates are allowed

Set:

* Can store values of distinct type. (eg. Int,String type)
* Sets are unordered
* Duplicates are not allowed

Dict:

* Stores association between keys of same type and values of same type
* Items in Dict doesn’t have specific order
* Duplicate Keys are not allowed

1. An @IBOutlet (Interface Builder outlet) is a variable which is a reference to a UI component.

An @IBAction (Interface Builder action) is a function which is called when a specific user interaction occurs.

You want work to happen when you hit a button? You create an @IBAction and define the work inside of it.

You want to manipulate that button (change its title, round its corners, change its color, add a border, hide it) from code? Then you need an @IBOutlet.

3.var votes = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

func average(nums: Double...) -> Double {

var total = 0.0

for vote in votes {

total += vote

}

let votesTotal = Double(votes.count)

var average = total/votesTotal

return average

}

average[votes]