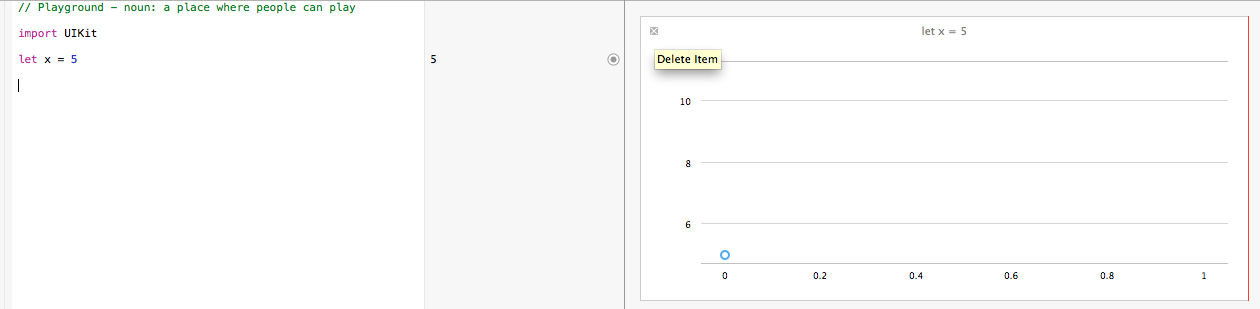
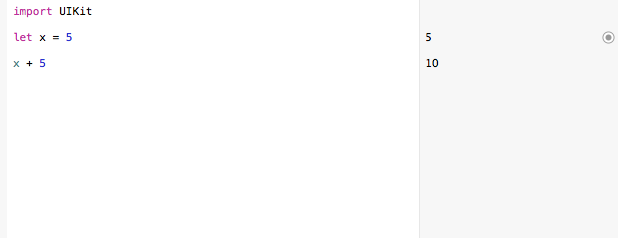
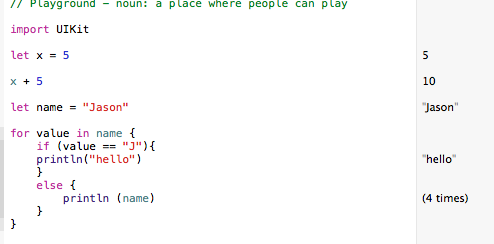
Swift is Apples new programming language, starting with iOS 8. It expands off of Objective-C, with plenty of new features that are very convenient. One of the really cool features is called playground, it dynamically compiles all of the current code to allow the user to see almost instant changes in the end product. This is manly used for creating and testing algorithms, or creating frames, etc.

In the pictures below, it shows a variable “x = 5”, then it displays what the variable is equal to. If using loops, it will instantly tell you what the end product of that loop will be. This feature alone will eliminate reptitive runs and debugs.





When using loops, swift will display the amount of times the loop will occur and then display the contents of the iterations in seconds





This is just one of the many great features provided in Swift

Link to code

<https://github.com/Jason-Robinson/CMP_SC-4830/blob/master/Exploration1.playground/section-1.swift>