Lab 2 - Swift Exercises
August 31, 2016

Name _____

Notes: Show an instructor your results to get credit. If you don't finish in class today, you can show to us during or after the next class.

Use Xcode's "Playground" to do these exercises.

1. Define an array that contains the names "Monday", "Tuesday", "Wednesday", "Thursday", "Friday". Use the append() method to add "Saturday" to the array. Use the += operator to add "Sunday" to the array.

2.   Use a for loop to iterate through the array above, and print out each value with its index; i.e., "Day 0 is Monday", "Day 1 is Tuesday", etc.

3. Define a dictionary containing author names and "readability score":
"Twain"	8.9
"Hawthorne"	5.1
"Poe"	7.3

    Print the score for "Poe".

4. Add the author "Steinbeck" to the dictionary, with the score 6.1.

5. Use a for loop to iterate through the dictionary and print out each author name and score; i.e., "Author Twain has score 8.9", "Author Hawthorne has score 5.1", etc.

6. The function below will take an input integer and return twice its value. Create an array of integer values. Pass this function to your array's "map" method to create a new array of doubled values.

```swift
func doubleMe(num: Int) -> Int    {
    return 2*num
}
```

7. Pass a closure to the array's map method, instead of the function, to perform the doubling.