

# Mobile Apps Development for Journalists

Week 3 - Fall 2019

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# Agenda

- Review of Assignment 1
- Assignment 2 Discussion
- In-Class Swift Tutorial
- Teach each other exercise
- Swift - if statement, for loop, functions
- In Class Time for Assignment 2

# Review of Assignment 1

- Anyone want to share some interesting things they found?
- For instance, large media companies with poor apps?
- Small media with great apps?
- Unusual apps?

# Assignment 2

- Basic Programming with Swift
- Based on last week's lecture and in-class tutorials
- Comments, variables, constants, camel case naming, math, string interpolation, data types
- Time at the end of class today to work on this
- Due next week at 5pm on Tuesday
- Lessons 1.2, 1.3 in **App Development with Swift**

# Swift Tutorial

- <https://www.raywenderlich.com/143771/swift-tutorial-part-1-expressions-variables-constants>
- <https://www.raywenderlich.com/6364-swift-tutorial-part-2-types-and-operations>
- I'll go through this with you
- Different take on the same things as we discussed and in the book
- Ignore the left shift and right shift discussion, also ignore tuples in part 2

# Swift!

- Review of what we did in class last week
- Control Flow - Lesson 1.4 in **App Development with Swift**
- <https://www.raywenderlich.com/143970/swift-tutorial-part-3-flow-control>

# Booleans

- `let state = "Texas"`
- `state == "New Mexico"`
- `let numberOfDogs = 50`
- `numberOfDogs < 40`
- Equality and comparison
- `==` operator

# if statement

- Based on boolean - true or false
- let age = 22
- if age >= 18 {  
    print("is an Adult")  
} else {  
    print("is not an Adult")  
}



# for loop

- Use ranges ... symbol  
1...5

```
for i in 1...5 {  
    print(i)  
}
```

```
let numberOfStories = 10  
for i in 1...numberOfStories {  
    print(i)  
}
```

# Tutorial

- <https://www.raywenderlich.com/143970/swift-tutorial-part-3-flow-control>
- Pay close attention to if statement, for loop
- ternary statement, while, repeat, and switch are less important