

# Maybe a bit of REPL

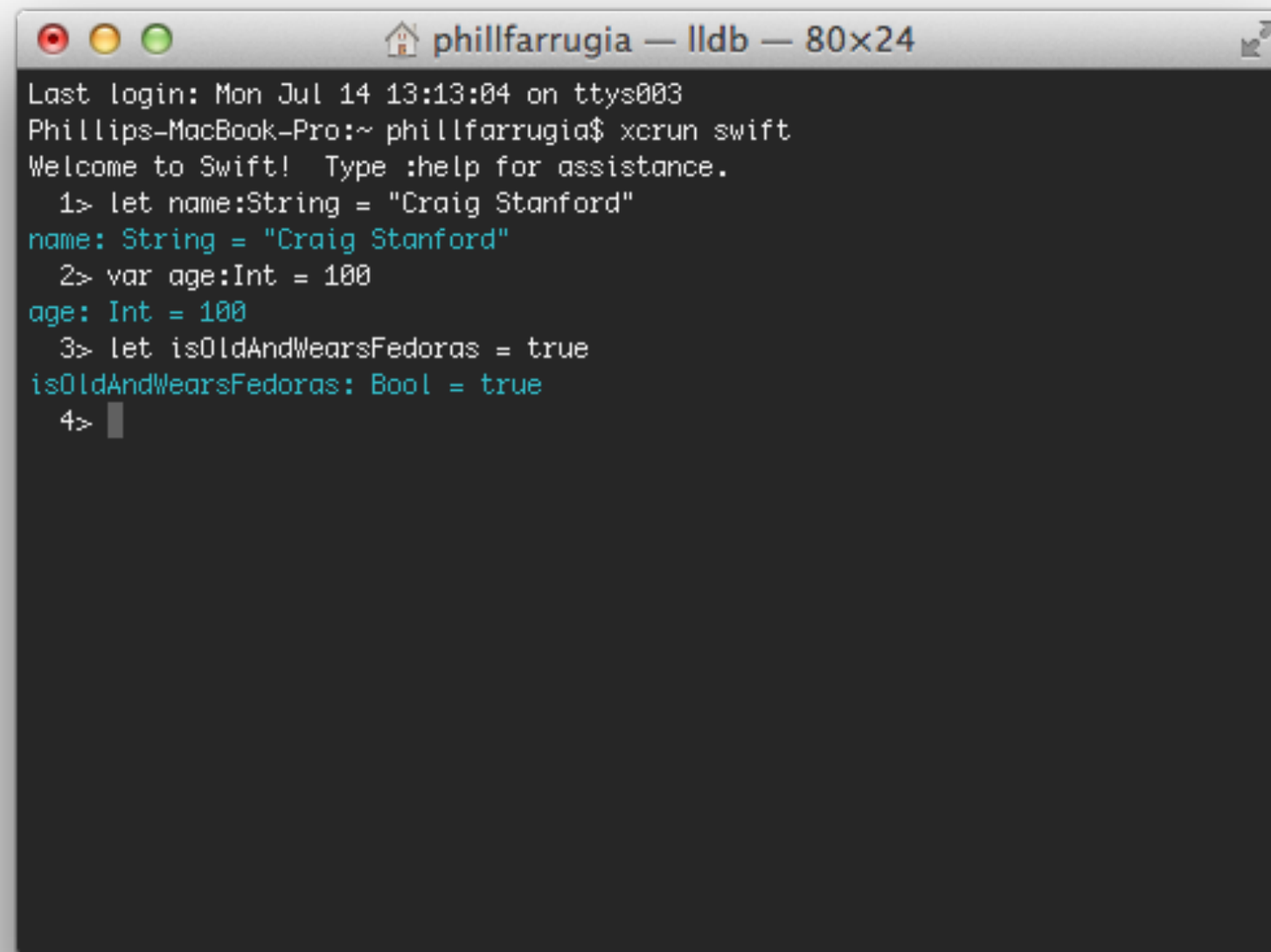
and mostly “I’m a beginner, do I Swift or do I Objective C?  
How and why?”

# Who is this kid?

Was he even alive for the first iPhone?

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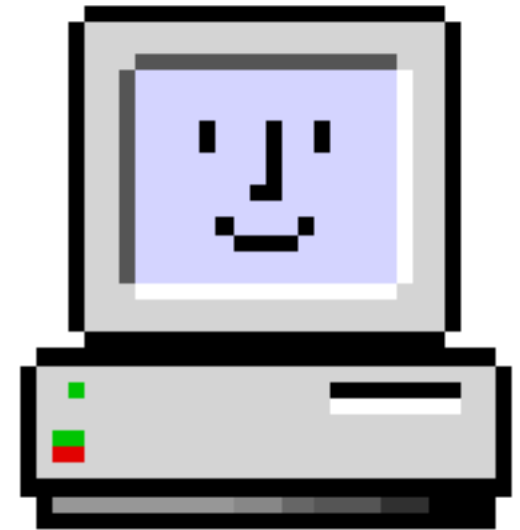
A screenshot of a macOS terminal window. The title bar shows a home icon, the text 'phillfarrugia — lldb — 80x24', and standard window control buttons. The terminal text shows a login message, the command 'xcrun swift', a welcome message, and four lines of Swift code being executed with their corresponding type annotations. The prompt '4>' is followed by a cursor.

```
Last login: Mon Jul 14 13:13:04 on ttys003
Phillips-MacBook-Pro:~ phillfarrugia$ xcrun swift
Welcome to Swift! Type :help for assistance.
  1> let name:String = "Craig Stanford"
name: String = "Craig Stanford"
  2> var age:Int = 100
age: Int = 100
  3> let isOldAndWearsFedoras = true
isOldAndWearsFedoras: Bool = true
  4> █
```

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# REPL?

- Read-Eval-Print-Loop
- LLDB
- Global
- Interactive
- Understand what is actually happening
- Complex, powerful, automated workflows



# but Playgrounds?

- Playgrounds -> Blank slate, prototype from scratch, shareable
- REPL -> New code in existing application, interactive testing, deep level understanding

# Get started

## 1. Xcode 6 Beta 3 console

```
> repl
```

## 2. OS X Terminal

```
$ sudo xcode-select -s /Applications/Xcode6-Beta3.app/Contents/Developer/
```

```
$xcrun swift
```

# WTF?

- Execution interrupted.

Enter Swift code to recover and continue.

- Enter LLDB commands to investigate (type :help for assistance.)
- Try typing  $2+3+4+5+6+7+8+9$  into a REPL prompt



# Demo

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# safety first

- Validate new code in current context
- Get it right first time
- Understand your code
- Debug faster, easier
- Stay safe



# Objective c vs swift

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The more I learn, the more I realise I don't know. The more I realise I don't know, the more I want to learn.

**albert Einstein**

# objective c

- Experienced community
- Camps, classes, workshops
- Books, podcasts, websites
- Documentation
- Cocoa frameworks
- Open source
- History

# Swift

- Cool, mysterious, new and shiny
- Motivates you to write code
- Inexperienced community
- Conferences
- Still in beta, growing
- Objective C friendly
- Safe, interactive, clean slate



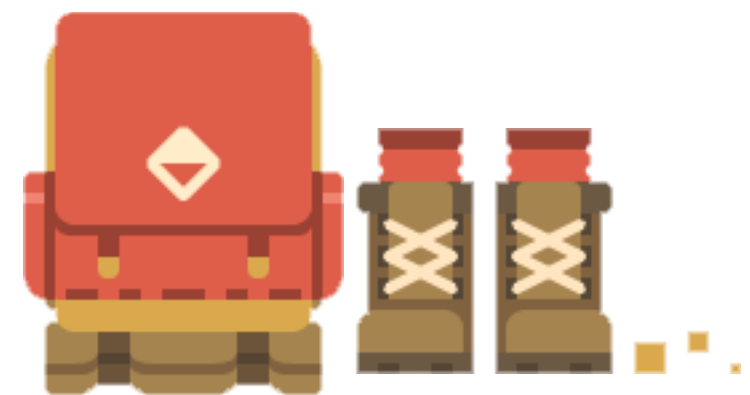
why not both?



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# \*heavy breathing\*

- Don't learn Objective C just because you have to
- Different approaches to problem solving
- How do I do this in Swift? Vice versa
- Wander curiously around and explore
- Make mistakes in both



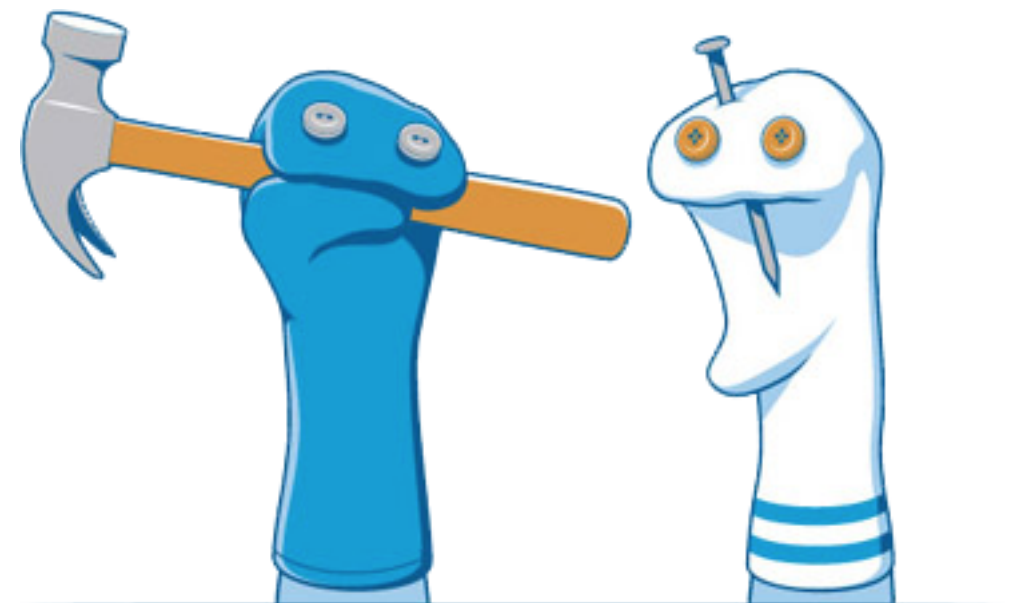
# how do i do both?

- Balance both worlds
- Don't get confused
- Read Objective C
- Play with Swift
- Write an app in Objective C, rewrite in Swift
- Focus on frameworks



# swift is another hammer

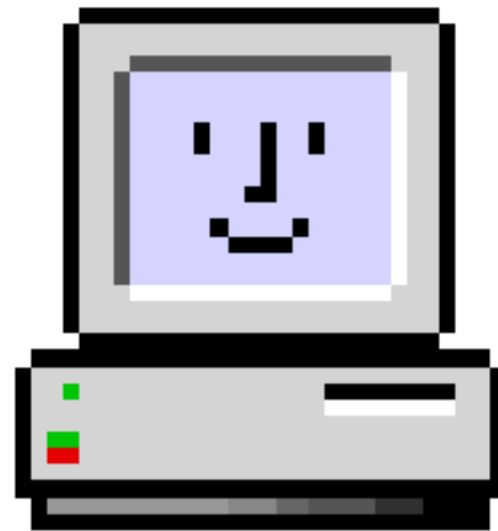
- Apply right tool for the job
- Corporate stuck in Objective C
- Integrate Objective C with Swift
- Know the strengths, boundaries
- Build on top of it



# it's great

- Now is as great a time as ever to learn Objective C
- and also Swift

thanks



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