# GCJSwift

print "hello, world!"

GCJ is "Google Code Jam"
^ Google Code Jam is a programming contest

# Solve 1...N problems

**Algorithmic**
**Google provides input files**
**Tournament Style**

```
int getRandomNumber()
{
    return 4;   // chosen by fair dice roll.
                // guaranteed to be random.

}
```

Algorthims are fun(?)

^ T-Shirts

# Any Programming Language

# Any Text Editor

# Any Premade Code!

# Cool, but...

**What programming languages would you recommend?**

Many of our contestants use C++, Java and Python, though occasionally Py

WTF?!

Google reccomends C++ and Java?

^ What about Swift?

# 52 Participants used Swift in 2016

## (0.43% of C++)

# NOT EVEN 1%

^ Unfortunate

^ A good opportunity to see other solutions
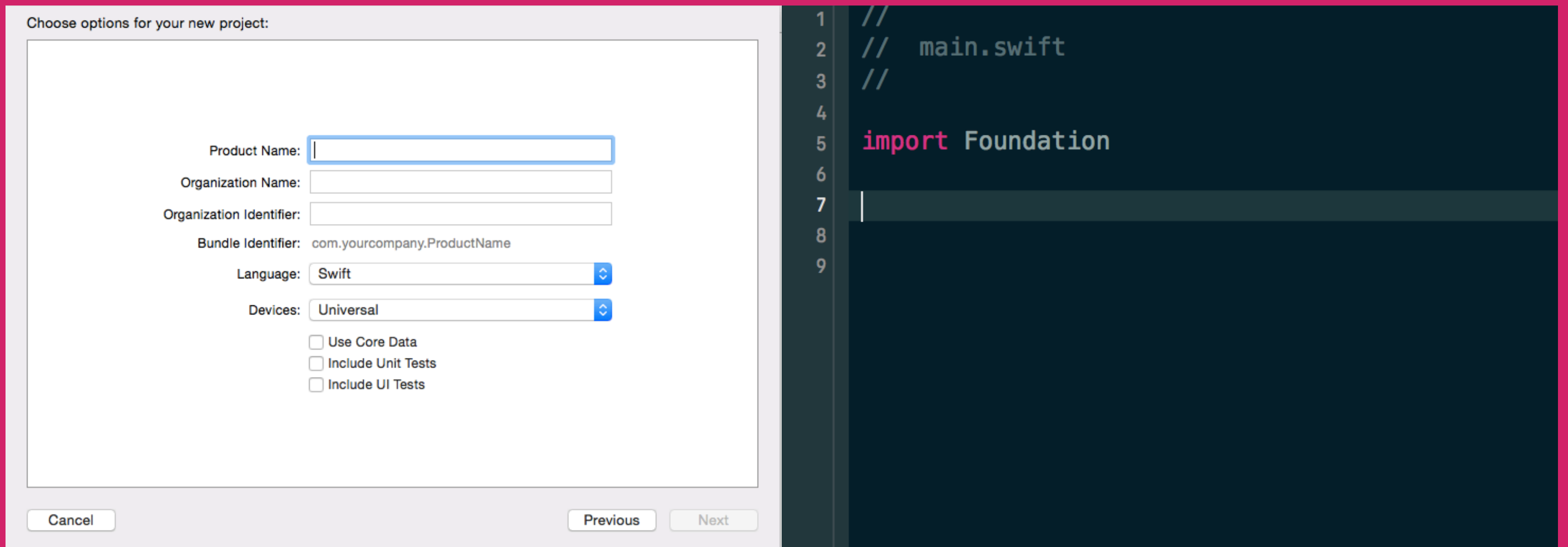
^ A good opportunity to learn

# Lets get started

Ready to Compete
^ And...

# CHOOSE YOUR STARTING POINT

Choose options for your new project:

Product Name:

Organization Name:

Organization Identifier:

Bundle Identifier: com.yourcompany.ProductName

Language: Swift

Devices: Universal

☐ Use Core Data
☐ Include Unit Tests
☐ Include UI Tests

Cancel                                   Previous    Next

```
1  //
2  //  main.swift
3  //
4
5  import Foundation
6
7  |
8
9
```

Pretty nice looking XCode screen
^ I'll choose the editor on the right

# GCJSwift

I just chose GCJSwift

# Would you rather write this

```swift
func readFile() {
    let file = "input.in"
    if let dir = FileManager.default.urls(for: .documentDirectory, in: .userDomainMask).first {
    let path = dir.appendingPathComponent(file)
    do {
        let text = try String(contentsOf: path, encoding: String.Encoding.utf8)
    }
    catch {/* ... */}
}
```

You can live your life like that

# OR THIS?

```
func makeBatmanMyBestFriend() {
    // ...
}
```

# GCJSwift

Will not actually make Batman be your best friend

^ ...because we're already BFFs

# Shortcut to Code

Broilerplate

^ No more Boring Parts

^ You, a text editor, and an algorithm

^ And T-Shirts

# As a bonus...

We didn't think of this until later

Its a great tool to help teach code
^ Good for interviews

# HTTPS://GITHUB.COM/KENO42/GCJSWIFTPACKAGE

https://code.google.com/codejam

Access the repository at the above link

^ Codejam link