

GCJSWIFT

code jam

```
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.  
}
```

Algorithms are fun(?)

^ T-Shirts

PROGRAMMING
LANGUAGE

ANY TEXT
EDITOR

ANY IDE/MAKE

COOL. BUT...

What programming languages would you recommend?

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

WTF?!

Google recommends 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

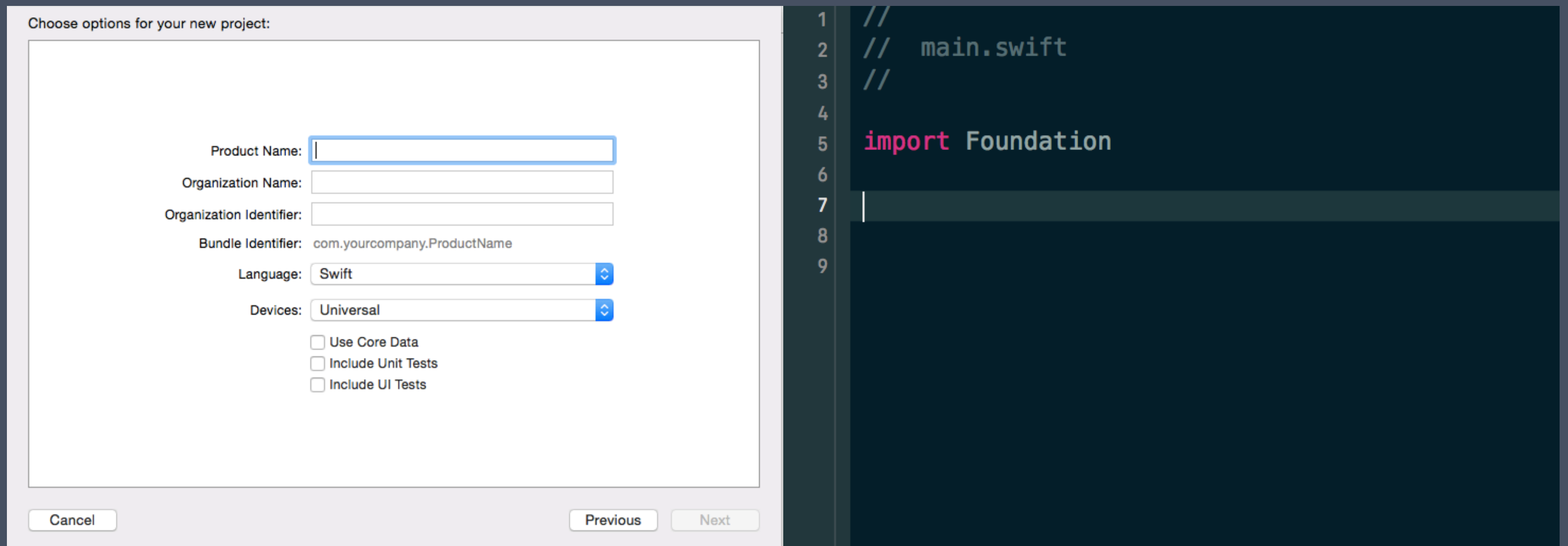
^ A good opportunity to learn

LETS GET
STARTED

Ready to Compete

^ And...

CHOOSE YOUR STARTING POINT



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

GCJSWIFT

I just chose GCJSwift

WOULD YOU
RATHER WRITE
THIS

```
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

Boilerplate

^ 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



It's a great tool to help teach code
^ Good for interviews

[HTTPS://GITHUB.COM/
KEN042/
GCJSWIFTPACKAGE](https://github.com/KEN042/GCJSWIFTPACKAGE)

[HTTPS://CODE.GOOGLE.COM/CODEJAM](https://code.google.com/codejam)

Access the repository at the above link

^ Codejam link