

SWIFT NA BACKENDZIE

CO TO SWIFT?



It's designed to scale from 'hello, world'
to an entire operating system.

JEST NA LINUXA?

SUPPORTED TARGET PLATFORMS:

UBUNTU 14.04 OR 15.10 (64-BIT)

Note that nothing prevents Swift from being ported to other Linux distributions beyond the ones mentioned below.

PO KIEGO JEST NA LINUXA?

CO DZIAŁA?

- kompilator + repl + debugger
 - biblioteka standardowa
 - core libraries
 - package manager
 - wrappowane C

`UnsafeMutablePointer<Void>`

`UnsafePointer(a).memory`

JAK TO ZAINSTALOWAĆ?

<https://swift.org/download/#linux>

DOCKER:

swiftdocker

JAK TO URUCHOMIĆ?

\$ swift

```
Welcome to Apple Swift version 3.0-dev  
(LLVM b361b0fc05, Clang 11493b0f62, Swift 24a0c3de75).  
Type :help for assistance.
```

```
1>
```

```
2> :q
```

\$ swift build

W EMAKSIE MAM TO KODZIĆ?



The image is a promotional banner for CLion IDE. It features a vibrant background with green, blue, and pink geometric shapes. On the left, there is a black square logo with the letters 'CL' and a horizontal line below it. The word 'CLion' is written in a large, white, sans-serif font. Below the name, the text 'A POWER TOOL FOR A POWER LANGUAGE' is displayed in a smaller, black, sans-serif font. Underneath that, 'Cross-platform C/C++ IDE' is written in an even smaller font. To the right of this text is a white, rounded rectangular button with the text 'Try free now'. In the bottom right corner, there is a black square logo with the text 'JET BRAINS' and a horizontal line below it.

CL **CLion**

A POWER TOOL FOR
A POWER LANGUAGE

Cross-platform C/C++ IDE

Try free now

**JET
BRAINS**

Atom, vim, ...

DO CZEGO TO PODOBNIE?

SCALA

RUST

C++

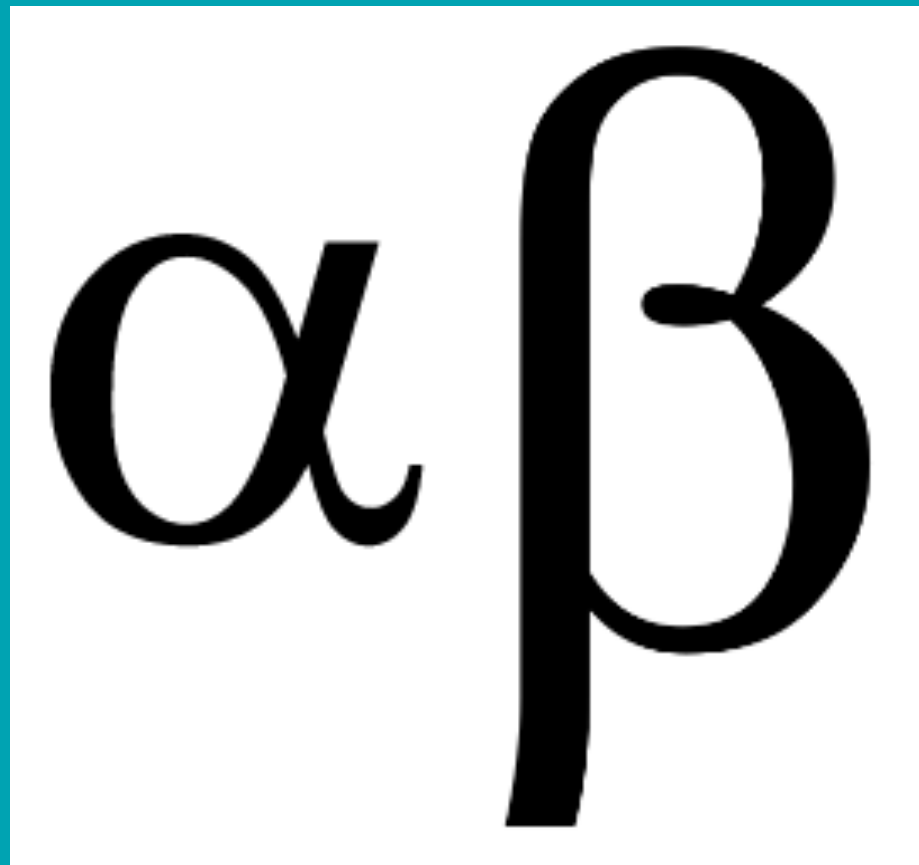
OBJECTIVE-C

KOTLIN

CO TO MA?

- Optional: ? ! ??
- class, struct, enum, protocol
 - <A>, typealias B
 - let, var, mutating
 - extensions
- closures, higher-order functions
 - pattern matching

BIBLIOTEKI JAKIEŚ TO MA?



```
.Package(url: "", majorVersion: 0),  
.Package(url: "", majorVersion: 0, minor: 0)
```

FRAMEWORKI WEBOWE?

TAK!

IBM kitura

Perfect

Zewo

Vapor

Currasow

Swifter

Express

DOKUMENTACJA?

SWIFT PROGRAMMING LANGUAGE BOOK

SWIFT STANDARD LIBRARY REFERENCE

developer.apple.com/swift/resources/

swift-users mailing list

github

JAK TO DEPLOYOWAĆ?



docker

SPRAWDŹ SAM!

[HTTPS://GITHUB.COM/SIEJKOWSKI/
SWIFTFORBACKEND.GIT](https://github.com/siejkowski/swiftforbackend.git)