

# Implementing a «Hello World»

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# As an introduction...



## About iOS layers

**Kernel OS X**  
**BSD - Mach 3.0**  
**Sockets**  
**File system**  
**Keychain - Security**  
**Bonjour**

**Core OS**

# As an introduction...



## About iOS layers

Core Services

Core OS

Threads  
Network Services  
Geo-Location  
Preferences  
Contacts  
SQLite

# As an introduction...



## About iOS layers

**Media**

**Core Services**

**Core OS**

**PDF JPG, PNG, TIFF**  
**Audio**  
**Video**  
**Animations**  
**Graphical stuff**

# As an introduction...



## About iOS layers

Cocoa Touch

Media

Core Services

Core OS

**UIKit**

*iOS API*

*basic UI function*

**Foundation**

*basic services*


# «Hello World» in Objective-C




# «Hello World» in Swift



# As a conclusion...

 You have seen your first App

 You are ready for exercices

