# Kotlin

why, how, when - **why**?

# Why, how, when Kotlin?

- Live Coding - Examples

  - Overloads

  - Classes

  - Pairs, Objects & Variable Destructuring

  - Expressions

  - Nullability

  - Extension Functions

# Kotlin & Java

- Interoperability with Java

- Pitfalls:

  - Calling (companion) objects from Java

  - Overloads for default parameters

  - Access properties as fields (without getter)

  - Ugly default generated class names

# Why Kotlin?

Well, **because**…

# Sources

- Hadi Hariri: What can do Kotlin for me?
https://youtu.be/YbF8Q8LxAJs

- Kotlin Language Definition
https://kotlinlang.org/docs/reference/java-to-kotlin-interop.html

- Kotlin Koans
https://play.kotlinlang.org/koans/overview

- Java Calling - Kotlin
https://proandroiddev.com/java-calling-kotlin-3cb3a84bde63