

# Kotlin Sugar High

Discussing about taste

**\$> whoami**

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Professionaly fighting with imposter syndrome since 2009.

Pretending to know Kotlin for 2 years.

# What is this about

- Kotlin
- Sugar
- Nightmares



# What is this about

## 11 kinds of programmers

- one way enjoyers
- muh freedom!

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## 11 kinds of programmers

- one way enjoyers
- muh freedom!
- I am sure I can write it in one line

**I will be exaggerating**

# Not about

- performance
- bytecode
- coroutines

# Sealed classes

```
sealed class Animal(val favoriteFood: String)

class Dog(favoriteFood: String) : Animal(favoriteFood)

class Horse(favoriteFood: String) : Animal(favoriteFood)
```



# Sealed classes

```
sealed class Demon()  
  
class Cat() : Demon()  
  
class Oni() : Demon()  
  
class Rakshasa() : Demon()
```

# Sealed classes

*Nihil novi*

Already exists in other languages. Also in Java.

**Sub-classes in same package**

**Mocking issues**

Mocking is fine.

**But still cool!**

**Enumy taste**

# Pattern matching

**Unlock the power of sealed classes**

**And much more**

# Extension functions

```
fun ExternalClass.missingFunction() {}
```

**Cool way to not die from lib poisoning**

**Very usefull for writing transformers/converters**

# Top level

**We don't need no util classes**

# Constructors and inits

## Fancy shmancy

- primary
- secondary
- inits

# Operator overloading

• Overloading of operators

• Overloading of functions

• Overloading of constructors

• Overloading of destructors

• Overloading of assignment operators

• Overloading of comparison operators

• Overloading of arithmetic operators

• Overloading of logical operators

• Overloading of bitwise operators

# Scoped functions





# Tricky tricky nullability

Using java classes

Compiler is not perfect

Bang bang!



# Thank you

## Questions?

I hope not

## Sources

Kotlin docs

6 magic sugars to keep your kotlin codebase happy

Kotlin pitfalls and how to avoid them

## Slides and code

<https://github.com/dogrizz/kotlin-sugar-high>