

# Kotlin

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# Kotlin is...

Language

Statically Typed Object Orientated

Targets

JVM Bytecode and JavaScript

License

Apache 2 OSS License

Current Status

Milestone 3 (M3)







**Kotlin**  
by JetBrains



**Anonymous**

In German, Kot = Shit, and Kutteln (which sounds similar) is tripe (this is how it looks: [Trippa.jpg](#))

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# Why Kotlin?

# Design Goals

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Full Java Interoperability

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At least as fast as Java

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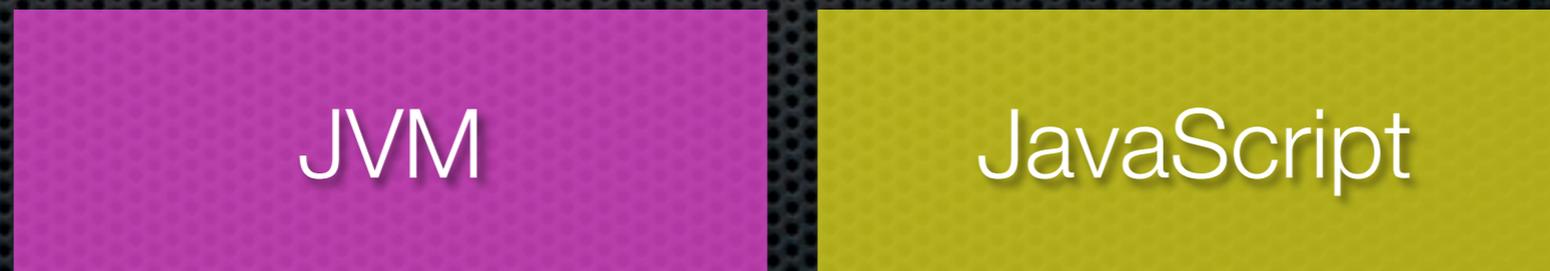
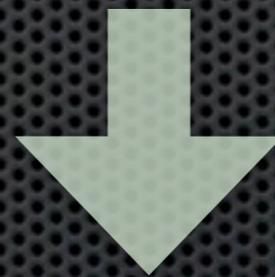
Safer than Java

More concise than Java

Simpler than Scala



Don't compare me to Scala



## Packages

<a href="#">kotlin</a>	Core API
<a href="#">kotlin.beans</a>	Functions for working with Java Beans
<a href="#">kotlin.browser</a>	API to access the web browser DOM and windows
<a href="#">kotlin.concurrent</a>	Concurrent programming API
<a href="#">kotlin.dom</a>	Functions for working with the W3C DOM
<a href="#">kotlin.io</a>	IO API for working with files and streams
<a href="#">kotlin.jdbc</a>	Functions for working with SQL databases via JDBC (in kotlin-jdbc module)
<a href="#">kotlin.math</a>	Mathematics API
<a href="#">kotlin.modules</a>	API for defining compilation units
<a href="#">kotlin.nullable</a>	Functions for treating nullable types as composable collections of zero or one element
<a href="#">kotlin.swing</a>	Swing API (in kotlin-swing module)
<a href="#">kotlin.template</a>	Text processing API
<a href="#">kotlin.test</a>	Functions for writing tests (in kunit module)
<a href="#">kotlin.util</a>	Utility functions

# Implicit imports

```
import kotlin.*
import kotlin.io.*
import jet.*
import java.lang // JVM Target
```



**CAUTION**

**Nothing is final**

Let's dive in...

# Playing with Kotlin

Latest Release

Milestone 3 (M3)

IDE Support

IntelliJ IDEA via Plugin  
(Community Edition also)

Web Interface

<http://kotlin-demo.jetbrains.com>

Source Code

<http://github.com/Jetbrains/Kotlin>

# More information

Home Page

<http://kotlin.jetbrains.org>

Twitter

@project\_kotlin  
@abreslav

# Thank you



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