



inovex

Kotlin für Android-Entwickler

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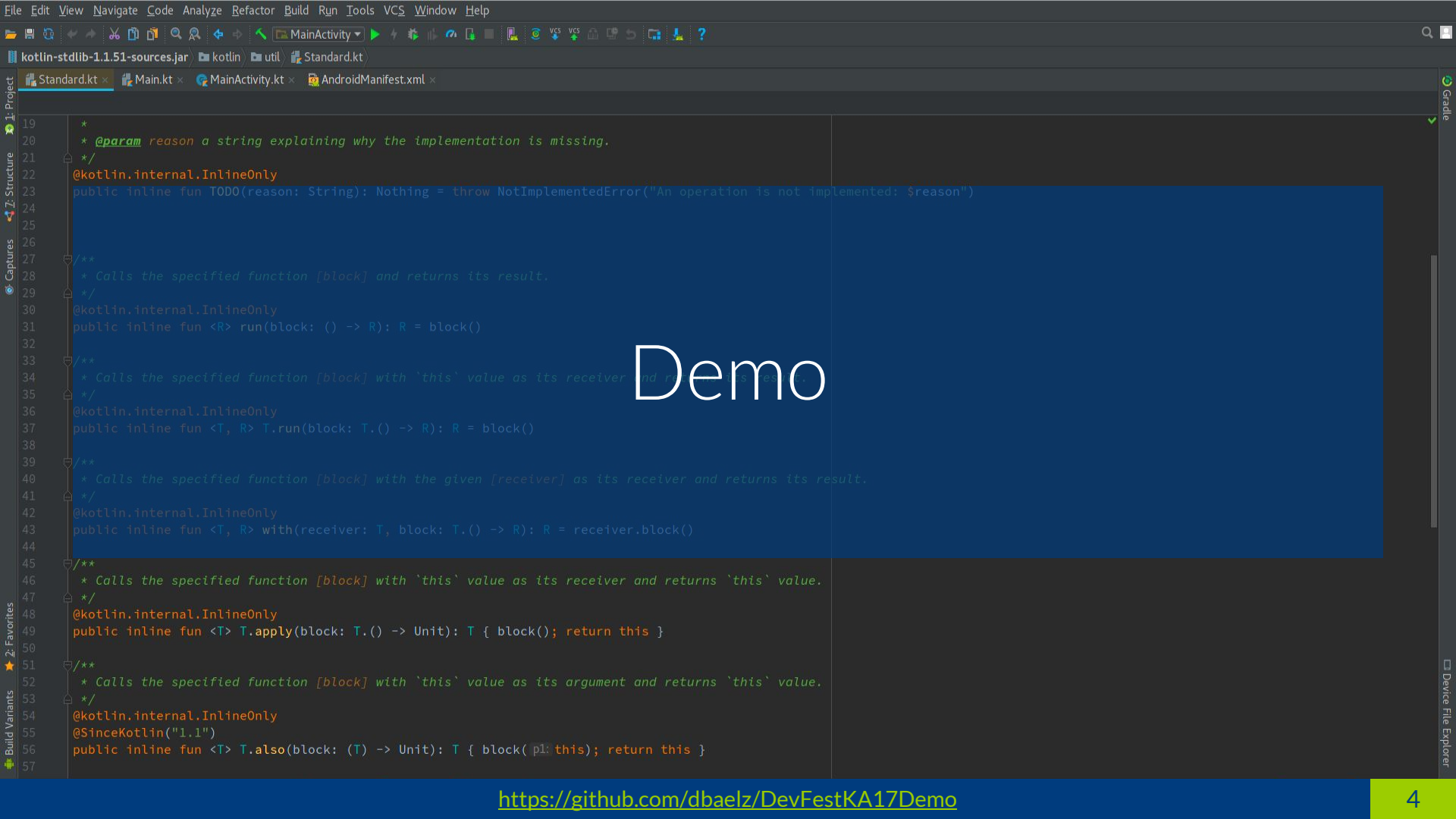
<https://github.com/dbaelz/>



<https://dbaelz.de/>

Warum Kotlin?

- Java
 - Langatmig mit viel Zeremonie
 - „Moderne“ Sprachfeature fehlen
 - Notwendigkeit von Helfer/Bibliotheken
- Android
 - Langatmige APIs
 - Fehleranfällige API (Null-Werte, Aufrufreihenfolge)



Demo

```
19 *
20 * @param reason a string explaining why the implementation is missing.
21 */
22 @kotlin.internal.InlineOnly
23 public inline fun TODO(reason: String): Nothing = throw NotImplementedError("An operation is not implemented: $reason")
24
25
26
27 /**
28 * Calls the specified function [block] and returns its result.
29 */
30 @kotlin.internal.InlineOnly
31 public inline fun <R> run(block: () -> R): R = block()
32
33 /**
34 * Calls the specified function [block] with `this` value as its receiver and returns its result.
35 */
36 @kotlin.internal.InlineOnly
37 public inline fun <T, R> T.run(block: T.() -> R): R = block()
38
39 /**
40 * Calls the specified function [block] with the given [receiver] as its receiver and returns its result.
41 */
42 @kotlin.internal.InlineOnly
43 public inline fun <T, R> with(receiver: T, block: T.() -> R): R = receiver.block()
44
45 /**
46 * Calls the specified function [block] with `this` value as its receiver and returns `this` value.
47 */
48 @kotlin.internal.InlineOnly
49 public inline fun <T> T.apply(block: T.() -> Unit): T { block(); return this }
50
51 /**
52 * Calls the specified function [block] with `this` value as its argument and returns `this` value.
53 */
54 @kotlin.internal.InlineOnly
55 @SinceKotlin("1.1")
56 public inline fun <T> T.also(block: (T) -> Unit): T { block(p1: this); return this }
57
```

Ressourcen

- [Kotlin Dokumentation](#)
- [Kotlin and Android](#)
- [Android Kotlin Guides](#)
- [Kotlin Koans](#) (auch als Android Studio Plugin)
- [Kotlin Weekly](#)

Bibliotheken

- App
 - Anko
 - KOIN
 - Kotlin Preferences
 - ...
- (Unit) Testing
 - KotlinTest
 - SPEK
 - Mockito-Kotlin

Tipps

- Migration
 - Stückweise per Feature
 - Konverter in Android Studio
 - Tests nur Spielwiese
- Iteratives Lernen
 - Ausprobieren
 - Überarbeiten
 - Idiomatic Kotlin

A photograph of a modern building facade. The building features a combination of white vertical panels and large glass windows. The glass reflects the sky and surrounding environment. The text is overlaid on a blue semi-transparent background on the left side of the image.

Vielen Dank

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A solid green horizontal bar located at the bottom of the blue semi-transparent background.