



Kotlin für Android-Entwickler



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Warum Kotlin?

- Java
 - Viel Zeremonie
 - „Moderne“ Sprachfeature fehlen
 - Notwendigkeit von Helfer/Bibliotheken
- Android
 - Langatmige/komplexe APIs
 - Fehleranfällige Nutzung
 - Oft ausufernder Code

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

kotlin-stdlib-1.1.51-sources.jar | kotlin | util | Standard.kt

Standard.kt x | Main.kt x | MainActivity.kt x | AndroidManifest.xml x

```
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(this); return this }
57
```

Demo

Tipps

- Migration
 - Tests sind Spielwiese
 - Per Feature
 - Konverter einsetzen
- Herangehensweise
 - Ausprobieren → Überarbeiten → Idiomatic Kotlin
 - Hilfe durch Doku und Tools
 - Spaß haben :)

Ressourcen

- [Kotlin Dokumentation](#)
- [Android Dev: Kotlin and Android](#)
- [Android Kotlin Guides](#)
- [Kotlin Playground](#)
- [Kotlin Weekly](#)

A photograph of a modern building facade with a grid of windows and concrete panels. A blue semi-transparent rectangle is overlaid on the left side, containing text. A yellow bar is at the bottom left.

Vielen Dank

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