



Kotlin in Action

Dmitry Jemerov , Svetlana Isakova

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Kotlin is a new programming language targeting the Java platform. It offers on expressiveness and safety without compromising simplicity, seamless interoperability with existing Java code, and great tooling support. Because Kotlin generates regular Java bytecode and works together with existing Java libraries and frameworks, it can be used almost everywhere where Java is used today - for server-side development, Android apps, and much more.

Kotlin in Action takes experienced Java developers from the language basics all the way through building applications to run on the JVM and Android devices. Written by core developers of Kotlin, this example-rich book begins by teaching you the basic syntax of the Kotlin language. Then you'll learn how to use features that let you build reusable abstractions, higher-level functions, libraries, and even entire domain specific languages. Finally, you'll focus on details of applying Kotlin in real-world projects, such as build system integration, Android support and concurrent programming.

Kotlin in Action Details

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Author : Dmitry Jemerov , Svetlana Isakova

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From Reader Review Kotlin in Action for online ebook

Micha? says

Good introduction to Kotlin for Java developers

Michael Greifeneder says

Just for the wonderful explanation of Generics I would recommend that book.

Ben says

Excellent overview of the Kotlin programming language. Starts with the fundamentals and works up to higher level constructs at a great pace. I found the chapter on DSLs most useful. It illustrates the power of lambdas with receivers and extension functions and should further help you understand Kotlin DSLs in the wild.

Yamir Encarnacion says

This is a great book to learn Kotlin if you already know Java. If you do not know Java, many things will probably be confusing. The books starts off with the basics and works its way towards more advanced topics.

Also, it is a lot to take in from one reading. Myself, I expect to re-read this book.

Venkatesh-Prasad says

This should be your first Kotlin book provided you have a good grasp programming concepts.

It is a brisk, no-nonsense, and pretty exhaustive coverage of the features of Kotlin. Unlike programming books that introduce a new language, this book does not go over the basics concepts of OO. Instead, it assumes you know your programming concepts (at least OO) and starts by describing how they are supported in Kotlin. For concepts common to Java, the book 1) briskly describes the concept as it occurs in Kotlin while tying to its Java counterpart (to ease the transition) and 2) then dives into nuances and enhancements that are available only in Kotlin. As for FP concepts and the concepts unique to Kotlin, the authors provide a gradual introduction followed by reasonable deep dives into nuances and pros/cons. The exposition is accompanied by numerous *small* examples, which expedites reading the book (no flipping back and forth to read thru multi-page examples).

Having programmed in both OOP and FP languages, the book was a quick read. The "Try Online" site (<https://try.kotlinlang.org/>) helped poke some corner cases while reading the book. And, it was fun tweeting

about Ahas and Gotchas about Kotlin :) <https://twitter.com/orderwithchaos/st...>

Piotr Kalinowski says

Very no-nonsense and straightforward presentation style tailored for experienced programmers. I didn't feel like I have to skip through most of the book. It really focused on introducing new JVM language instead of teaching programming.

I liked how it took the time to explain a few implementation details, so that the reader could immediately understand how various language features interact with Java. But the authors didn't stop at that and also included some notes on how performance may be affected, where applicable. As a developer that started with C as a child and works professionally with resource constrained mobile platforms, I highly appreciated those details.

Mark Nenadov says

This book takes an excellent approach to teaching the Kotlin language and I highly recommend it to anyone who wants to dive into it. I enjoyed the way it is contrasted and compared to Java. I did find the sledding to be slow towards the end, though.

Kirill says

Excellent book for beginners in Kotlin.

Marcos Trujillo says

This is the perfect book to learn Kotlin (if you have already experience programming, of course)
It's a trip to understand almost all the features kotlin has, inciting not only in the well know features like nullability or Higher order functions, also in the core parts of kotlin and, more important, in the whys and hows.

With this book you have also access to a complete set of exercices and examples similar to Kotlin Koans.

If you are planing to develop in Kotlin this is your book.

Wang Zirui says

I don't like the book. It keeps saying Java is bad. I was trained in Java and I don't think the authors are making the right points. Java is a great language in my opinion, while Kotlin looks more like a bunch of ad

hoc ideas. It's less elegant than Java. But the fact is that my colleagues are using Kotlin and I have to learn it. I'm looking for a better book that shows basic respect for Java.

Mingwei Zhang says

It is a very good introductory book on Kotlin. I would recommend anyone with some Java background to read it and try out Kotlin.

Antonel Pazargic says

I really enjoyed the way the book is written.

The authors found out a way to present the cool Kotlin features to make them easy to grasp.

The only thing that I found out quite hard to keep the pace with was the last part in the kotlin reflection (json parsing and object deserialization).

I am already looking forward to seeing the 2nd version of Kotlin in Action - including probably the kotlin coroutines, KJS.

Muhammad Hakim Asy'ari says

The best book for developer start coding in kotlin

Andrei Catinean says

Great book for anyone who wants to start grasping Kotlin. Goes from basic knowledge and use cases to rather complex ones towards the end.

There is a fair assumption that you are familiar with Java, as the book does not cover basic Java or object oriented programming explanations.

Alessandro says

Amazing book, gives a clear overview of Kotlin programming language, but keeping in mind on how to being "Idiomatic". Highly recommended for both beginners and advanced.
