

Kotlin Programming: The Big Nerd Ranch Guide

Learn Kotlin, the Modern Programming Language for Android and Server-Side Development

Kotlin is a modern, concise, and type-safe programming language that runs on the Java Virtual Machine (JVM). It is designed to be interoperable with Java code, and it can be used to develop applications for Android, server-side, and desktop platforms.



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by Josh Skeen

★★★★☆ 4.3 out of 5

Language : English
File size : 9160 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 651 pages
Screen Reader : Supported



Kotlin is a statically-typed language, which means that the compiler checks the types of your code at compile time. This helps to catch errors early on, before they can cause problems at runtime.

Kotlin is also a very expressive language. It provides a variety of features that make it easy to write concise and readable code, such as:

- Null safety: Kotlin has a built-in null safety system that helps to prevent null pointer exceptions.
- Extension functions: Kotlin allows you to extend the functionality of existing classes by adding new functions.
- Data classes: Kotlin provides a convenient way to create classes that hold data.
- Lambdas and higher-order functions: Kotlin supports lambdas and higher-order functions, which make it easy to write concise and expressive code.

Kotlin is a great choice for developing Android applications. It is concise, expressive, and type-safe, and it integrates well with the Android SDK.

Kotlin is also a great choice for server-side development. It is scalable, efficient, and easy to learn.

If you are looking for a modern, concise, and type-safe programming language, then Kotlin is a great option.

What you'll learn in this book

This book will teach you everything you need to know to get started with Kotlin. You will learn the basics of the language, as well as more advanced topics such as:

- Null safety
- Extension functions
- Data classes

- Lambdas and higher-Order Functions
- Android development with Kotlin
- Server-side development with Kotlin

By the end of this book, you will be able to write confident and efficient Kotlin code.

About the authors

The authors of this book are experienced Kotlin developers who have used the language to develop a variety of applications, including Android apps, server-side applications, and desktop applications.

The authors are also experienced teachers who have taught Kotlin to developers of all levels.

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