

Joshua Bloch

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Java 9



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Kotlin for Android App Development Peter Sommerhoff,2018-12-17 Write More Robust and Maintainable Android Apps with Kotlin Peter Sommerhoff takes a practical approach to teaching Kotlin by providing a larger set of code listings that demonstrate language features and by guiding readers through the development of two Android apps step by step Peter finds a good balance between what is essential and what can be left to readers so this book is an efficient yet comprehensible source for starting programming with Kotlin Bernhard Rumpe Professor of Software Engineering RWTH Aachen University The Kotlin language brings state of the art programming techniques and constructs to Android development Kotlin for Android App Development will help you rapidly understand Kotlin s principles and techniques apply Kotlin in production app development integrate Kotlin with existing Java code and plan a migration to Kotlin if you choose If you have at least basic programming experience with any language Peter Sommerhoff s well crafted overview and examples will help you get quickly up to speed with the Kotlin language its constructs and its advanced functional and object oriented capabilities Once you ve mastered these foundations Sommerhoff walks you through two complete app development projects introducing best practices and emerging patterns for writing code that s robust concise readable and highly performant Understand Kotlin s goals principles advantages design and constructs Take full advantage of functional programming in the Kotlin environment Write more concise and reusable code using Kotlin s object oriented features Interoperate with existing Java code and plan a migration to Kotlin Use coroutines to efficiently handle concurrency Capture data via third party APIs map it to internal data representations and present it to users Master best practices for architecting Kotlin Android apps Improve productivity and readability by creating simple domain specific languages in Kotlin

Effective Java Joshua Bloch,2008 [kotlin From A to](#)

Z Robertson Adler,2021-10-19 Overview Kotlin is a great t for developing server side applications allowing you to write concise and expressive code while maintaining full compatibility with existing Java based technology stacks and a smooth learning curve Expressiveness Kotlin s innovative language features such as its support for type safe builders and delegated properties help build powerful and easy to use abstractions Scalability Kotlin s support for coroutines helps build server side applications that scale to massive numbers of clients with modest hardware requirements Interoperability Kotlin is fully compatible with all Java based frameworks which lets you stay on your familiar technology stack while reaping the bene ts of a more modern language Migration Kotlin supports gradual step by step migration of large codebases from Java to Kotlin You can start writing new code in Kotlin while keeping older parts of your system in Java Tooling In addition to great IDE support in general Kotlin o ers framework speci c tooling for example for Spring in the plugin for IntelliJ IDEA Ultimate Learning Curve For a Java developer getting started with Kotlin is very easy The automated Java to Kotlin converter included in the Kotlin plugin helps with the rst steps Kotlin Koans o er a guide through the key features of the language with a series of interactive exercises Spring makes use of Kotlin s language features to o er more concise APIs starting with version 5 0 The online project generator allows you to quickly generate a new project in Kotlin Vert x a framework for building reactive Web applications on the JVM o ers dedicated support for Kotlin including full documentation Ktor is a framework built by JetBrains for creating Web applications in Kotlin making use of coroutines for high scalability and o ering an easy to use and idiomatic API kotlinox.html is a DSL that can be used to build HTML in a Web application It serves as an alternative to traditional templating systems such as JSP and FreeMarker Using Kotlin for Server side Development Frameworks for Server side Development with Kotlin 7 The available options for persistence include direct JDBC access JPA as well as using NoSQL databases through their Java drivers For JPA the kotlin jpa compiler plugin adapts Kotlincompiled classes to the requirements of the framework Kotlin applications can be deployed into any host that supports Java Web applications including Amazon Web Services Google Cloud Platform and more To deploy Kotlin applications on Heroku you can follow the o cial Heroku tutorial AWS Labs provides a sample project showing the use of Kotlin for writing AWS Lambda functions Google Cloud Platform o ers a series of tutorials for deploying Kotlin applications to GCP both for Ktor and App Engine and Spring and App engine In addition there is an interactive code lab for deploying a Kotlin Spring application Corda is an open source distributed ledger platform supported by major banks and built entirely in Kotlin JetBrains Account the system responsible for the entire license sales and validation process at JetBrains is written in 100% Kotlin and has been running in production since 2015 with no major issues The Creating Web Applications with Http Servlets and Creating a RESTful Web Service with Spring Boot tutorials show you how you can build and run very small Web applications in Kotlin For a more in depth introduction to the language check out the reference documentation on this site and Kotlin Koans Deploying Kotlin Server side Applications Users of Kotlin on the Server Side Next Steps *Creating Effective Java* Help Kevin Lewis,2000

Aimed at all levels of Java developers and technical writers Lewis book takes a chapter by chapter approach to building concepts and gives lessons on how to create usable Java Help systems and integrate them into Java applications and applets

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transactional applications internationalization security and debugging **Mac OS X** David Pogue,2002 The fact that the Mac OS X comes without a printed manual is a real problem since Mac OS X is so different from the operating system that came before it Now David Pogue the number one bestselling Macintosh author fills the gap with the definitive guide to Mac OS X **Effective Java** 第二版,2003 Java 57 10 C **Effective Java (3rd Edition)** Joshua Bloch,2024 *XML in a*

Nutshell Elliotte Rusty Harold,W. Scott Means,2001 Introduces the basic rules of XML syntax for document markup the details of document type definition DTD creation and the APIs used to read and write XML documents in a variety of programming languages A series of quick reference chapters lists syntax rules for XPath XSLT SAX and DOM c Book News Inc *Java Message Service* David Chappell,Richard Monson-Haefel,2007-06-26 This book is a thorough introduction to Java Message Service JMS the standard Java application program interface API from Sun Microsystems that supports the formal communication known as messaging between computers in a network JMS provides a common interface to standard messaging protocols and to special messaging services in support of Java programs The messages exchange crucial data between computers rather than between users information such as event notification and service requests Messaging is often used to coordinate programs in dissimilar systems or written in different programming languages Using the JMS interface a programmer can invoke the messaging services of IBM s MQSeries Progress Software s SonicMQ and other popular messaging product vendors In addition JMS supports messages that contain serialized Java objects and messages that contain Extensible Markup Language XML pages Messaging is a powerful new paradigm that makes it easier to uncouple different parts of an enterprise application Messaging clients work by sending messages to a message server which is responsible for delivering the messages to their destination Message delivery is asynchronous meaning that the client can continue working without waiting for the message to be delivered The contents of the message can be anything from a simple text string to a serialized Java object or an XML document Java Message Service shows how to build applications using the point to point and publish and subscribe models how to use features like transactions and durable subscriptions to make an application reliable and how to use messaging within Enterprise JavaBeans It also introduces a new EJB type the MessageDrivenBean that is part of EJB 2 0 and discusses integration of messaging into J2EE **The Java Enterprise CD Bookshelf** ,2000 The product contains book and electronic versions of Java books for the enterprise Java Enterprise in a Nutshell Java Foundation Classes in a Nutshell Enterprise Java Beans Java Servlet Programming Database Programming

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Network Troubleshooting Tools Joseph D Sloan, 2001 Over the years thousands of tools have been developed for debugging TCP IP networks They range from very specialized tools that do one particular task to generalized suites that do just about everything except replace bad Ethernet cables Even better many of them are absolutely free There s only one problem who has time to track them all down sort through them for the best ones for a particular purpose or figure out how to use them Network Troubleshooting Tools does the work for you by describing the best of the freely available tools for debugging and troubleshooting You can start with a lesser known version of ping that diagnoses connectivity problems or take on a much more comprehensive program like MRTG for graphing traffic through network interfaces There s tkined for mapping and automatically monitoring networks and Ethereal for capturing packets and debugging low level problems This book isn t just about the tools available for troubleshooting common network problems It also outlines a systematic approach to network troubleshooting how to document your network so you know how it behaves under normal conditions and how to think about problems when they arise so you can solve them more effectively The topics covered in this book include Understanding your network Connectivity testing Evaluating the path between two network nodes Tools for capturing packets Tools for network discovery and mapping Tools for working with SNMP Performance monitoring Testing application layer protocols Software sources If you re involved with network operations this book will save you time money and needless experimentation

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