

Read Book Scala For Java Developers A Practical Primer Pdf For Free

Scala for Java Developers Python for the Busy Java Developer Rails for Java Developers Python for the Busy Java Developer The Complete Coding Interview Guide in Java Software Design Patterns for Java Developers Scala for Java Developers Learn Objective-C for Java Developers DevOps Tools for Java Developers Effective Unit Testing Swing Hacks Eclipse in Action Groovy Programming Practical Design Patterns for Java Developers Functional Programming for Java Developers Ruby on Rails for PHP and Java Developers Professional Eclipse 3 for Java Developers Java Programming Interviews Exposed Clojure for Java Developers Oworkflow Java 2 for Professional Developers MySQL and Java Developer's Guide Test Driven Scala for Java Developers 97 Things Every Java Programmer Should Know The Java Developer's Guide to Eclipse Java Cookbook Professional Java The Java Developer's Guide to Eclipse C# For Java Programmers Beginning NetBeans IDE Effective Java Java 9 Programming By Example Java Programming for Android Developers For Dummies Programming Groovy 2 JAVA Developer's Reference Jython for Java Programmers Docker and Kubernetes for Java Developers The Well-Grounded Java Developer, Second Edition Pentaho 8 Reporting for Java Developers

Functional Programming for Java Developers Feb 16 2022 "Dean Wampler, Java expert and author of Programmin Scala (O'Reilley), shows you how to apply principles such as immutability, avoidance of side effects, and higher-order functions to your Java code. Each chapter provides exercises to help you practice what you've learned. Once you grasp the benefits of functional programming, you'll discover that it improves all the code you write."--From p. [4] of cover.

Scala for Java Developers May 02 2023 Master the fundamentals of Scala and understand its emphasis on functional programming that sets it apart from Java. This book will help you translate what you already know in Java to Scala to start your functional programming journey. Learn Scala is split into four parts: a tour of Scala, a comparison between Java and Scala, Scala-specific features and functional programming idioms, and finally a discussion about adopting Scala in existing Java teams and legacy projects. After reading and using this tutorial, you'll come away with the skills in Scala to kick-start your productivity with this growing popular language. What You'll Learn Tour Scala and learn the basic syntax, constructs, and how to use the REPL Translate Java syntax that you already know into Scala Learn what Scala offers over and above Java Become familiar with functional programming concepts and idioms Gain tips and advice useful when transitioning existing Java projects to Scala Who This Book Is For Java developers looking to transition to Scala. No prior experience necessary in Scala.

Swing Hacks Jun 22 2022 Provides information on building enterprise applications using Swing.

The Java Developer's Guide to Eclipse Dec 05 2020 "Fully updated and revised for Eclipse 3.0, this book is the definitive Eclipse reference--an indispensable guide for tool builders, rich client application developers, and anyone customizing or extending the Eclipse environment." --Dave Thomson, Eclipse Project Program Director, IBM The Ultimate Guide to Eclipse 3.0 for the Java Developer. No Eclipse Experience Required! Eclipse is a world-class Java integrated development environment (IDE) and an open source project and community. Written by members of the IBM Eclipse Jumpstart team, The Java(tm) Developer's Guide to Eclipse, Second Edition, is the definitive Eclipse companion. As in the best-selling first edition, the authors draw on their considerable experience teaching Eclipse and mentoring developers to provide guidance on how to customize Eclipse for increased productivity and efficiency. In this greatly expanded edition, readers will find A total update, including the first edition's hallmark, proven exercises--all revised to reflect Eclipse 3.0 changes to the APIs, plugins, UI, widgets, and more A special focus on rich client support with a new chapter and two exercises A comprehensive exercise on using Eclipse to develop a Web commerce application using Apache's Tomcat A new chapter on JFace viewers and added coverage of views A new chapter on internationalization and accessibility New chapters on performance tuning and Swing interoperability Using this book, those new to Eclipse will become proficient with it, while advanced developers will learn how to extend Eclipse and build their own Eclipse-based tools. The accompanying CD-ROM contains Eclipse 3.0, as well as exercise solutions and many code examples. Whether you want to use Eclipse and Eclipse-based offerings as your integrated development environment or customize Eclipse further, this must-have book will quickly bring you up to speed.

Java Programming Interviews Exposed Nov 15 2021 If you are a skilled Java programmer but are concerned about the Java coding interview process, this real-world guide can help you land your next position Java is a popular and powerful language that is a virtual requirement for businesses making use of IT in their daily operations. For Java programmers, this reality offers job security and a wealth of employment opportunities. But that perfect Java coding job won't be available if you can't ace the interview. If you are a Java programmer concerned about interviewing, Java Programming Interviews Exposed is a great resource to prepare for your next opportunity. Author Noel Markham is both an experienced Java developer and interviewer, and has loaded his book with real examples from interviews he has conducted. Review over 150 real-world Java interview questions you are likely to encounter Prepare for personality-based interviews as well as highly technical interviews Explore related topics, such as middleware frameworks and server technologies Make use of chapters individually for topic-specific

help Use the appendix for tips on Scala and Groovy, two other languages that run on JVMs Veterans of the IT employment space know that interviewing for a Java programming position isn't as simple as sitting down and answering questions. The technical coding portion of the interview can be akin to a difficult puzzle or an interrogation. With *Java Programming Interviews Exposed*, skilled Java coders can prepare themselves for this daunting process and better arm themselves with the knowledge and interviewing skills necessary to succeed.

Effective Java Sep 01 2020 Are you looking for a deeper understanding of the Java™ programming language so that you can write code that is clearer, more correct, more robust, and more reusable? Look no further! *Effective Java™, Second Edition*, brings together seventy-eight indispensable programmer's rules of thumb: working, best-practice solutions for the programming challenges you encounter every day. This highly anticipated new edition of the classic, Jolt Award-winning work has been thoroughly updated to cover Java SE 5 and Java SE 6 features introduced since the first edition. Bloch explores new design patterns and language idioms, showing you how to make the most of features ranging from generics to enums, annotations to autoboxing. Each chapter in the book consists of several "items" presented in the form of a short, standalone essay that provides specific advice, insight into Java platform subtleties, and outstanding code examples. The comprehensive descriptions and explanations for each item illuminate what to do, what not to do, and why. Highlights include: New coverage of generics, enums, annotations, autoboxing, the for-each loop, varargs, concurrency utilities, and much more Updated techniques and best practices on classic topics, including objects, classes, libraries, methods, and serialization How to avoid the traps and pitfalls of commonly misunderstood subtleties of the language Focus on the language and its most fundamental libraries: `java.lang`, `java.util`, and, to a lesser extent, `java.util.concurrent` and `java.io` Simply put, *Effective Java™, Second Edition*, presents the most practical, authoritative guidelines available for writing efficient, well-designed programs.

DevOps Tools for Java Developers Aug 25 2022 With the rise of DevOps, low-cost cloud computing, and container technologies, the way Java developers approach development today has changed dramatically. This practical guide helps you take advantage of microservices, serverless, and cloud native technologies using the latest DevOps techniques to simplify your build process and create hyperproductive teams. Stephen Chin, Melissa McKay, Ixchel Ruiz, and Baruch Sadogursky from JFrog help you evaluate an array of options. The list includes source control with Git, build declaration with Maven and Gradle, CI/CD with CircleCI, package management with Artifactory, containerization with Docker and Kubernetes, and much more. Whether you're building applications with Jakarta EE, Spring Boot, Dropwizard, MicroProfile, Micronaut, or Quarkus, this comprehensive guide has you covered. Explore software lifecycle best practices Use DevSecOps methodologies to facilitate software development and delivery Understand the business value of DevSecOps best practices Manage and secure software dependencies Develop and deploy applications using containers and cloud native technologies Manage and administrate source control repositories and development processes Use automation to set up and administer build pipelines Identify common deployment patterns and antipatterns Maintain and monitor software after deployment *Jython for Java Programmers* Mar 27 2020 Build Java-based Web applications with increased speed and scalability using Jython. This book helps Java developers increase application development and deployment. A brief introduction is provided that shows the differences between Java and Jython.

Eclipse in Action May 22 2022 Provides a thorough guide to using Eclipse features and plugins effectively in the context of real-world Java development.

97 Things Every Java Programmer Should Know Apr 08 2021 If you want to push your Java skills to the next level, this book provides expert advice from Java leaders and practitioners. You'll be encouraged to look at problems in new ways, take broader responsibility for your work, stretch yourself by learning new techniques, and become as good at the entire craft of development as you possibly can. Edited by Kevlin Henney and Trisha Gee, *97 Things Every Java Programmer Should Know* reflects lifetimes of experience writing Java software and living with the process of software development. Great programmers share their collected wisdom to help you rethink Java practices, whether working with legacy code or incorporating changes since Java 8. A few of the 97 things you should know: "Behavior Is Easy, State Is Hard"—Edson Yanaga "Learn Java Idioms and Cache in Your Brain"—Jeanne Boyarsky "Java Programming from a JVM Performance Perspective"—Monica Beckwith "Garbage Collection Is Your Friend"—Holly K Cummins "Java's Unspeakable Types"—Ben Evans "The Rebirth of Java"—Sander Mak "Do You Know What Time It Is?"—Christin Gorman

Learn Objective-C for Java Developers Sep 25 2022 Learn Objective-C for Java Developers will guide experienced Java developers into the world of Objective-C. It will show them how to take their existing language knowledge and design patterns and transfer that experience to Objective-C and the Cocoa runtime library. This is the express train to productivity for every Java developer who has dreamed of developing for Mac OS X or iPhone, but felt that Objective-C was too intimidating. So hop on and enjoy the ride! Provides a translation service that turns Java problem-solving skills into Objective-C solutions Allows Java developers to leverage their existing experience and quickly launch themselves into a new domain Takes the risk out of learning Objective-C

Pentaho 8 Reporting for Java Developers Dec 25 2019 Create reports and solve common report problems with minimal fuss. About This Book Use this unique book to master the basics and advanced features of Pentaho 8 Reporting. A book showing developers and analysts with IT skills how to create and use the best possible reports using the Pentaho platform. Written with a very practical approach: full of tutorials and practical examples (source code included). Who This Book Is For This book is written for two types of professionals and students: Information Technologists with a basic knowledge of Databases and Java Developers with medium seniority. Developers will be interested to discover how to embed reports in a third-party Java application. What You Will Learn The basics of Pentaho Reporting (Designer and SDK) and its initial setup. Develop

the most attractive reports on top of a wide range of data sources. Perform detailed customization of layout, parameterization, internationalization, behaviors, and more for your custom reports developed with Pentaho Reporting. Integrate Pentaho reports into third-party Java application with full control over interactions, layout, and behavior in general. Use Pentaho reports in the other components of the Pentaho Suite (BA Platform and PDI). In Detail This hands-on tutorial, filled with exercises and examples, introduces the reader to a variety of concepts within Pentaho Reporting. With screenshots that show you how reports look at design time as well as how they should look when rendered as PDF, Excel, HTML, Text, Rich-Text-File, XML, and CSV, this book also contains complete example source code that you can copy and paste into your environment to get up-and-running quickly. Updated to cover the features of Pentaho 8, this book will teach you everything you need to know to build fast, efficient reports using Pentaho. If your interest lies in the technical details of creating reports and you want to see how to solve common reporting problems with a minimum of fuss, this is the book for you. Style and approach A step-by-step guide covering technical topics relating to environments, best practices, and source code, to enable the reader to assemble the best reports and use them in existing Java applications.

Java 2 for Professional Developers Aug 13 2021 Professional Java developers who are new to Java 2 will find this guide helpful in learning the latest implementations of the programming concepts and how to create bullet-proof, commercial software products. Supporting Web site contains all the code and media needed to create the applications discussed.

Software Design Patterns for Java Developers Nov 27 2022 Practice Design Patterns to Enrich and Streamline Software Development KEY FEATURES ? Classify design patterns into three broad categories. ? Deep dive into design patterns with individual chapters covering them in detail. ? Understand design patterns to fast track and streamline the development effort. DESCRIPTION 'Software Design Patterns for Java Developers' discusses the fundamentals of software design as well as well-established design patterns that simplify and outperform the entire software development cycle. To begin with, the book covers the various types of software design patterns and how they differ from one another. Using numerous examples, you can investigate the implementation of various design patterns such as singleton, object pool, adapter, abstract factory, and proxy. Other design patterns include simplifying complex systems, changing the algorithm behavior in runtime, securing broadcasting messages, and many more. Additionally, a chapter is dedicated to understanding some of the most effective design principles and anti-patterns available today. Throughout the book, you will implement the design patterns and understand their purpose, benefits, potential drawbacks, and challenges for each of these design patterns. WHAT YOU WILL LEARN ? Provide design solutions that are clean and transparent. ? Design low maintenance and low cost systems. ? Design reusable and scalable solutions. ? Design solutions that are easy to understand and readable. ? Utilize time-tested and continually refined design best practises. ? Avoid pitfalls during the course of designing a system. WHO THIS BOOK IS FOR This book is for software developers, experienced programmers, software architects with basic understanding of software development and are comfortable working with medium to large-scale systems. Best to have hands on experience with Java programming in order to read this book. TABLE OF CONTENTS 1. Enlighten Yourself 2. One of a Kind 3. Object Factory 4. Delegate Object Construction 5. Recycle and Reuse 6. Adapter 7. Decorating Objects 8. The Guardian 9. Simplifying the Complexity 10. Template 11. Keep a close eye 12. State and behaviours 13. Executing Commands 14. Beyond Design Patterns

Groovy Programming Apr 20 2022 Groovy Programming is an introduction to the Java-based scripting language Groovy. Groovy has much in common with popular scripting languages such as Perl, Python, and Ruby, but is written in a Java-like syntax. And, unlike these other languages, Groovy is sanctioned by the Java community for use on the Java platform. Since it is based on Java, applications written in Groovy can make full use of the Java Application Programmer Interfaces (APIs). This means Groovy can integrate seamlessly with applications written in Java, while avoiding the complexities of the full Java language. This bare-bones structure also means Groovy can be used as an introduction to Java and to programming in general. Its simpler constructions and modern origins make it ideal as a first language and for introducing principles such as object-oriented programming. This book introduces all the major aspects of Groovy development and emphasizes Groovy's potential as a learning tool. Case studies and exercises are included, along with numerous programming examples. The book begins assuming only a general familiarity with Java programming, and progresses to discuss advanced topics such as GUI builders, Groovlets, Unit Testing, and Groovy SQL. The first comprehensive book on Groovy programming that shows how writing applications and scripts for the Java platform is fast and easy Written by leading software engineers and acclaimed computing instructors Offers numerous programming examples, code samples, detailed case studies, exercises for self-study, and a companion website with a Windows-based Groovy editor

Professional Java Jan 06 2021 'Professional Java' builds upon Ivor Horton's 'Beginning Java' to provide the reader with an understanding of how professionals use Java to develop software solutions. 'Pro Java' starts with an overview of best methods and tools for developing Java applications.

The The Complete Coding Interview Guide in Java Dec 29 2022 The Complete Coding Interview Guide in Java is an all-inclusive solution guide with meticulously crafted questions and answers that will help you crack any Java Developer job. This book will help you build a strong foundation and the skill-set required to confidently appear in the toughest coding interviews.

Python for the Busy Java Developer Apr 01 2023 Are you a seasoned Java developer who wishes to learn Python? Perhaps you've just joined a project where a chunk of system integration code is written in Python. Or maybe you need to implement a report generation module in the next sprint and your colleague mentioned that Python would be the perfect tool for the job. In any case, if you are in a situation where you have to pick up the Python programming language overnight, this book is just for you! Hit the ground running and gain a fast-paced overview of what the Python language is all about, the syntax that it

uses and the ecosystem of libraries and tools that surround the language. This concise book doesn't spend time on details from an introductory programming course or document every single Python feature. Instead, Python for the Busy Java Developer is designed for experienced Java developers to obtain sufficient familiarity with the language and dive into coding, quickly. What You'll Learn Discover the fundamentals of the core Python language and how they compare to Java Understand Python syntax and the differences between Python 2.x and 3.x Explore the Python ecosystem, its standard libraries, and how to implement them Who This Book Is For Working programmers who are comfortable with Java or another object-oriented programming language such as C#

OSWorkflow Sep 13 2021 This book covers all aspects of OSWorkflow for Java developers and system architects, from basics of Business Process Management and installing OSWorkflow to developing complex Java applications and integrating this open-source Java workflow engine with the third-party components Drools for business rules, Quartz for task scheduling, and Pentaho for dashboards. Authored by an active developer of the OSWorkflow project, it gives step-by-step instructions, explaining the basics and clarifying and reinforcing principles with real-life examples. OSWorkflow is a pure Java open-source workflow engine for technical users, who can focus on the business logic and rules without Petri Net or finite state machine coding and easily integrate OSWorkflow into applications to create simple or complex workflows as needed. Because OSWorkflow provides a relatively low-level but highly flexible workflow implementation for Java developers, it is not a quick plug-and-play solution for non-technical users.

Beginning NetBeans IDE Oct 03 2020 Beginning NetBeans IDE is your authoritative tutorial for learning and using the open source NetBeans IDE platform backed by Oracle. Written by a NetBeans product manager at Oracle, Geertjan Wielenga shows you what NetBeans really is all about and how to install and set it up. Then, right away, he shows you how to write your first simple NetBeans Java application. In this book, you get a tour of the various, essential and key NetBeans wizards and plug-ins. Then, you start building a more complex Java-based application using the NetBeans IDE. And, you learn how to improve that application by exploring the NetBeans refactoring, testing/debugging, profiling and distribution tools. After reading and using this tutorial, you'll come away with a working case study that you can re-apply as a template for your own specific needs. You'll have an understanding of the key essentials of the popular NetBeans IDE.

Professional Eclipse 3 for Java Developers Dec 17 2021 Step-by-step guide that introduces novices to using all major features of Eclipse 3 Eclipse is an open source extensible integrated development environment (IDE) that helps Java programmers build best-of-breed integrated tools covering the whole software lifecycle—from conceptual modeling to deployment Eclipse is fast becoming the development platform of choice for the Java community Packed with code-rich, real-world examples that show programmers how to speed up the development of applications by reusing and extending existing Eclipse components Describes SWT and JFace (Eclipse's alternative to the Java AWT and Swing) and demonstrates them in practice in a JavaLayer based MP3 player Shows how Eclipse can be used as a tool platform and application framework

Effective Unit Testing Jul 24 2022 Summary Effective Unit Testing is written to show how to write good tests—tests that are concise and to the point, expressive, useful, and maintainable. Inspired by Roy Osherove's bestselling The Art of Unit Testing, this book focuses on tools and practices specific to the Java world. It introduces you to emerging techniques like behavior-driven development and specification by example, and shows you how to add robust practices into your toolkit. About Testing Test the components before you assemble them into a full application, and you'll get better software. For Java developers, there's now a decade of experience with well-crafted tests that anticipate problems, identify known and unknown dependencies in the code, and allow you to test components both in isolation and in the context of a full application. About this Book Effective Unit Testing teaches Java developers how to write unit tests that are concise, expressive, useful, and maintainable. Offering crisp explanations and easy-to-absorb examples, it introduces emerging techniques like behavior-driven development and specification by example. Programmers who are already unit testing will learn the current state of the art. Those who are new to the game will learn practices that will serve them well for the rest of their career. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. About the Author Lasse Koskela is a coach, trainer, consultant, and programmer. He hacks on open source projects, helps companies improve their productivity, and speaks frequently at conferences around the world. Lasse is the author of Test Driven, also published by Manning. What's Inside A thorough introduction to unit testing Choosing best-of-breed tools Writing tests using dynamic languages Efficient test automation Table of Contents PART 1 FOUNDATIONS The promise of good tests In search of good Test doubles PART 2 CATALOG Readability Maintainability Trustworthiness PART 3 DIVERSIONS Testable design Writing tests in other JVM languages Speeding up test execution

Practical Design Patterns for Java Developers Mar 20 2022 Unravel the power of Java design patterns by learning where to apply them effectively to solve specific software design and development problems Key FeaturesDecouple logic across objects with dependency injection by creating various vehicles with featuresFinalize vehicle construction by chaining handlers using the Chain of Responsibility PatternPlan and execute an advanced vehicle sensor initiation with the Scheduler PatternBook Description Design patterns are proven solutions to standard problems in software design and development, allowing you to create reusable, flexible, and maintainable code. This book enables you to upskill by understanding popular patterns to evolve into a proficient software developer. You'll start by exploring the Java platform to understand and implement design patterns. Then, using various examples, you'll create different types of vehicles or their parts to enable clarity in design pattern thinking, along with developing new vehicle instances using dedicated design patterns to make the process consistent. As you progress, you'll find out how to extend vehicle functionalities and keep the code base structure and behavior clean and shiny. Concurrency plays an important role in application design, and you'll learn how to employ a

such design patterns with the visualization of thread interaction. The concluding chapters will help you identify and understand anti-pattern utilization in the early stages of development to address refactoring smoothly. The book covers the use of Java 17+ features such as pattern matching, switch cases, and instances of enhancements to enable productivity. By the end of this book, you'll have gained practical knowledge of design patterns in Java and be able to apply them to address common design problems. What you will learn

Understand the most common problems that can be solved using Java design patterns
Uncover Java building elements, their usages, and concurrency possibilities
Optimize a vehicle memory footprint with the Flyweight Pattern
Explore one-to-many relations between instances with the observer pattern
Discover how to route vehicle messages by using the visitor pattern
Utilize and control vehicle resources with the thread-pool pattern
Understand the penalties caused by anti-patterns in software design

Who this book is for
If you are an intermediate-level Java developer or software architect looking to learn the practical implementation of software design patterns in Java, then this book is for you. No prior knowledge of design patterns is required, but an understanding of Java programming is necessary.

Docker and Kubernetes for Java Developers Feb 25 2020 Leverage the lethal combination of Docker and Kubernetes to automate deployment and management of Java applications

About This Book* Master using Docker and Kubernetes to build, deploy and manage Java applications in a jiff* Learn how to create your own Docker image and customize your own cluster using Kubernetes* Empower the journey from development to production using this practical guide.

Who This Book Is For
The book is aimed at Java developers who are eager to build, deploy, and manage applications very quickly using container technology. They need have no knowledge of Docker and Kubernetes.

What You Will Learn* Package Java applications into Docker images* Understand the running of containers locally* Explore development and deployment options with Docker* Integrate Docker into Maven builds* Manage and monitor Java applications running on Kubernetes clusters* Create Continuous Delivery pipelines for Java applications deployed to Kubernetes

In Detail
Imagine creating and testing Java EE applications on Apache Tomcat Server or Wildfly Application server in minutes along with deploying and managing Java applications swiftly. Sounds too good to be true? But you have a reason to cheer as such scenarios are only possible by leveraging Docker and Kubernetes.

This book will start by introducing Docker and delve deep into its networking and persistent storage concepts. You will then proceed to learn how to refactor monolith application into separate services by building an application and then packaging it into Docker containers. Next, you will create an image containing Java Enterprise Application and later run it using Docker. Moving on, the book will focus on Kubernetes and its features and you will learn to deploy a Java application to Kubernetes using Maven and monitor a Java application in production. By the end of the book, you will get hands-on with some more advanced topics to further extend your knowledge about Docker and Kubernetes.

Style and approach
An easy-to-follow, practical guide that will help Java developers develop, deploy, and manage Java applications efficiently.

JAVA Developer's Reference Apr 28 2020 The Java Developer's Reference provides definitive solutions to your Java needs. Written for serious Java programmers, this comprehensive volume is actually three books in one, combining all the latest information on Java programming to make this the most timely and enduring Java reference book on the market.

Scala for Java Developers May 10 2021 This stepbystep guide is full of easytofollow code taken from realworld examples explaining the migration and integration of Scala in a Java project. If you are a Java developer or a Java architect, working in Java EEbased solutions and want to start using Scala in your daily programming, this book is ideal for you. This book will get you up and running quickly by adopting a pragmatic approach with realworld code samples. No prior knowledge of Scala is required.

The Java Developer's Guide to Eclipse Mar 08 2021 Eclipse is a world-class Java IDE, a platform for building and integrating application development tools, and an open source project and community. Written by members of the IBM Eclipse Jumpstart team, The Java(tm) Developer's Guide to Eclipse is the definitive Eclipse companion. Drawing on their considerable experience teaching Eclipse and mentoring developers, the authors provide guidance on how to customize Eclipse for increased productivity and efficiency and how to avoid common pitfalls. The accompanying CD-ROM contains Eclipse SDK Version 2.0, as well as exercise solutions and many code examples for easier learning.

Rails for Java Developers Feb 28 2023 Shows you, using detailed comparisons and commentary, how to translate your hard-earned Java knowledge and skills into the world of Ruby and Rails.

Scala for Java Developers Oct 27 2022 This step-by-step guide is full of easy-to-follow code taken from real-world examples explaining the migration and integration of Scala in a Java project. If you are a Java developer or a Java architect, working in Java EE-based solutions and want to start using Scala in your daily programming, this book is ideal for you. This book will get you up and running quickly by adopting a pragmatic approach with real-world code samples. No prior knowledge of Scala is required.

Python for the Busy Java Developer Jan 30 2023 Are you a seasoned Java developer who wishes to learn Python? Perhaps you've just joined a project where a chunk of system integration code is written in Python. Or maybe you need to implement a report generation module in the next sprint and your colleague mentioned that Python would be the perfect tool for the job. In any case, if you are in a situation where you have to pick up the Python programming language overnight, this book is just for you! Hit the ground running and gain a fast-paced overview of what the Python language is all about, the syntax that it uses and the ecosystem of libraries and tools that surround the language. This concise book doesn't spend time on details from an introductory programming course or document every single Python feature. Instead, Python for the Busy Java Developer is designed for experienced Java developers to obtain sufficient familiarity with the language and dive into coding, quickly.

What You'll Learn
Discover the fundamentals of the core Python language and how they compare to Java
Understand Python syntax and the differences between Python 2.x and 3.x
Explore the Python ecosystem, its standard

libraries, and how to implement them Who This Book Is For Working programmers who are comfortable with Java or another object-oriented programming language such as C#

Test Driven Jun 10 2021 In test driven development, you first write an executable test of what your application code must do. Only then do you write the code itself and, with the test spurring you on, you improve your design. In acceptance test driven development (ATDD), you use the same technique to implement product features, benefiting from iterative development, rapid feedback cycles, and better-defined requirements. TDD and its supporting tools and techniques lead to better software faster. Test Driven brings under one cover practical TDD techniques distilled from several years of community experience. With examples in Java and the Java EE environment, it explores both the techniques and the mindset of TDD and ATDD. It uses carefully chosen examples to illustrate TDD tools and design patterns, not in the abstract but concretely in the context of the technologies you face at work. It is accessible to TDD beginners, and it offers effective and less well-known techniques to older TDD hands. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Learn hands-on to test drive Java code How to avoid common TDD adoption pitfalls Acceptance test driven development and the Fit framework How to test Java EE components-Servlets, JSPs, and Spring Controllers Tough issues like multithreaded programs and data access code *The Well-Grounded Java Developer, Second Edition* Jan 24 2020 Understanding Java from the JVM up gives you a solid foundation to grow your expertise and take on advanced techniques for performance, concurrency, containerization, and more. In *The Well-Grounded Java Developer, Second Edition* you will learn: The new Java module system and why you should use it Bytecode for the JVM, including operations and classloading Performance tuning the JVM Working with Java's built-in concurrency and expanded options Programming in Kotlin and Clojure on the JVM Maximizing the benefits from your build/CI tooling with Maven and Gradle Running the JVM in containers Planning for future JVM releases *The Well-Grounded Java Developer, Second Edition* introduces both the modern innovations and timeless fundamentals you need to know to become a Java master. Authors Ben Evans, Martijn Verburg, and Jason Clark distill their decades of experience as Java Champions, veteran developers, and key contributors to the Java ecosystem into this clear and practical guide. You'll discover how Java works under the hood and learn design secrets from Java's long history. Each concept is illustrated with hands-on examples, including a fully modularized application/library and creating your own multithreaded application. Foreword by Heinz Kabutz. About the technology Java is the beating heart of enterprise software engineering. Developers who really know Java can expect easy job hunting and interesting work. Written by experts with years of boots-on-the-ground experience, this book upgrades your Java skills. It dives into powerful features like modules and concurrency models and even reveals some of Java's deep secrets. About the book *With The Well-Grounded Java Developer, Second Edition* you will go beyond feature descriptions and learn how Java operates at the bytecode level. Master high-value techniques for concurrency and performance optimization, along with must-know practices for build, test, and deployment. You'll even look at alternate JVM languages like Kotlin and Clojure. Digest this book and stand out from the pack. What's inside The new Java module system Performance tuning the JVM Maximizing CI/CD with Maven and Gradle Running the JVM in containers Planning for future JVM releases About the reader For intermediate Java developers. About the author Benjamin J. Evans is a senior principal engineer at Red Hat. Martijn Verburg is the principal SWE manager for Microsoft's Java Engineering Group. Both Benjamin and Martijn are Java Champions. Jason Clark is a principal engineer and architect at New Relic. Table of Contents PART 1 - FROM 8 TO 11 AND BEYOND! 1 Introducing modern Java 2 Java modules 3 Java 17 PART 2 - UNDER THE HOOD 4 Class files and bytecode 5 Java concurrency fundamentals 6 JDK concurrency libraries 7 Understanding Java performance PART 3 - NON-JAVA LANGUAGES ON THE JVM 8 Alternative JVM languages 9 Kotlin 10 Clojure: A different view of programming PART 4 - BUILD AND DEPLOYMENT 11 Building with Gradle and Maven 12 Running Java in containers 13 Testing fundamentals 14 Testing beyond JUnit PART 5 - JAVA FRONTIERS 15 Advanced functional programming 16 Advanced concurrent programming 17 Modern internals 18 Future Java

Java Programming for Android Developers For Dummies Jun 30 2020 Develop the next killer Android App using Java programming! Android is everywhere! It runs more than half the smartphones in the U.S.—and Java makes it go. If you want to cash in on its popularity by learning to build Android apps with Java, all the easy-to-follow guidance you need to get started is at your fingertips. Inside, you'll learn the basics of Java and grasp how it works with Android; then, you'll go on to create your first real, working application. How cool is that? The demand for Android apps isn't showing any signs of slowing, but if you're a mobile developer who wants to get in on the action, it's vital that you get the necessary Java background to be a success. With the help of *Java Programming for Android Developers For Dummies*, you'll quickly and painlessly discover the ins and outs of using Java to create groundbreaking Android apps—no prior knowledge or experience required! Get the know-how to create an Android program from the ground up Make sense of basic Java development concepts and techniques Develop the skills to handle programming challenges Find out how to debug your app Don't sit back and watch other developers release apps that bring in the bucks! Everything you need to create that next killer Android app is just a page away!

Java Cookbook Feb 04 2021 Java continues to grow and evolve, and this cookbook continues to evolve in tandem. With this guide, you'll get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from string handling and functional programming to network communication. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you're familiar with Java basics, this cookbook will bolster your knowledge of the language and its many recent changes, including how to apply them in your day-to-day development. This updated edition covers changes through Java 12 and parts of 13 and 14. Recipes include: Methods for compiling, running, and debugging Packaging Java classes and building

applications Manipulating, comparing, and rearranging text Regular expressions for string and pattern matching Handling numbers, dates, and times Structuring data with collections, arrays, and other types Object-oriented and functional programming techniques Input/output, directory, and filesystem operations Network programming on both client and server Processing JSON for data interchange Multithreading and concurrency Using Java in big data applications Interfacing Java with other languages

Clojure for Java Developers Oct 15 2021 Transition smoothly from Java to the most widely used functional JVM-based language – Clojure About This Book Write apps for the multithreaded world with Clojure's flavor of functional programming Discover Clojure's features and advantages and use them in your existing projects The book is designed so that you'll be able put to use your existing skills and software knowledge to become a more effective Clojure developer Who This Book Is For This book is intended for Java developers, who are looking for a way to expand their skills and understand new paradigms of programming. Whether you know a little bit about functional languages, or you are just getting started, this book will get you up and running with how to use your existing skills in Clojure and functional programming. What You Will Learn Understand the tools for the Clojure world and how they relate to Java tools and standards (like Maven) Learn about immutable data structures, and what makes them feasible for everyday programming Write simple multi-core programs using Clojure's core concepts, like atoms, agents and refs Understand that in Clojure, code is data, and how to take advantage of that fact by generating and manipulating code with macros Learn how Clojure interacts with Java, how the class loaders work and how to use Clojure from Java or the other way around Discover a new, more flexible meaning of polymorphism and understand that OOP is not the only way to get it In Detail We have reached a point where machines are not getting much faster, software projects need to be delivered quickly, and high quality in software is more demanding as ever. We need to explore new ways of writing software that helps achieve those goals. Clojure offers a new possibility of writing high quality, multi-core software faster than ever, without having to leave your current platform. Clojure for Java developers aims at unleashing the true potential of the Clojure language to use it in your projects. The book begins with the installation and setup of the Clojure environment before moving on to explore the language in-depth. Get acquainted with its various features such as functional programming, concurrency, etc. with the help of example projects. Additionally, you will also, learn how the tooling works, and how it interacts with the Java environment. By the end of this book, you will have a firm grip on Clojure and its features, and use them effectively to write more robust programs. Style and approach An easy to follow, step-by-step, guide on how to start writing Clojure programs making use of all of its varied features and advantages. As this is a new language, certain new concepts are supported with theoretical section followed by simple projects to help you gain a better understanding and practice of how Clojure works.

MySQL and Java Developer's Guide Jul 12 2021 Shows Java developers everything they need to know to build Java database applications with MySQL. Takes a hands-on, code-intensive approach in which readers will learn how to build a sophisticated Web database management application. Begins with a review of the fundamentals of MySQL. Explains using Java's JDBC with MySQL, as well as servlet and JSP programming with MySQL. Provides a code-rich tutorial on how to build the sample Java database application using EJBs. The companion Web site provides the full code examples plus links to useful sites.

Java 9 Programming By Example Aug 01 2020 Get the steps you need to discover the world of Java 9 programming using real-world examples About This Book We bridge the gap between “learning” and “doing” by providing real-world examples that will improve your software development Our example-based approach will get you started quickly with software programming, get you up-to-speed with Java 9, and improve your Java skills This book will show you the best practices of Java coding and improve your productivity Who This Book Is For This book is for anyone who wants to learn the Java programming language. You are expected to have some prior programming experience with another language, such as JavaScript or Python, but no knowledge of earlier versions of Java is assumed. What You Will Learn Compile, package and run a trivial program using a build management tool Get to know the principles of test-driven development and dependency management Separate the wiring of multiple modules from the application logic into an application using dependency injection Benchmark Java execution using Java 9 microbenchmarking See the workings of the Spring framework and use Java annotations for the configuration Master the scripting API built into the Java language and use the built-in JavaScript interpreter Understand static versus dynamic implementation of code and high-order reactive programming in Java In Detail This book gets you started with essential software development easily and quickly, guiding you through Java's different facets. By adopting this approach, you can bridge the gap between learning and doing immediately. You will learn the new features of Java 9 quickly and experience a simple and powerful approach to software development. You will be able to use the Java runtime tools, understand the Java environment, and create Java programs. We then cover more simple examples to build your foundation before diving to some complex data structure problems that will solidify your Java 9 skills. With a special focus on modularity and HTTP 2.0, this book will guide you to get employed as a top notch Java developer. By the end of the book, you will have a firm foundation to continue your journey towards becoming a professional Java developer. Style and approach Throughout this book, our aim is to build Java programs. We will be building multiple applications ranging from simpler ones to more complex ones. Learning by doing has its advantages as you will immediately see the concepts explained in action.

Programming Groovy 2 May 29 2020 Groovy brings you the best of both worlds: a flexible, highly productive, agile, dynamic language that runs on the rich framework of the Java Platform. Groovy preserves the Java semantics and extends the JDK to give you true dynamic language capabilities. Programming Groovy 2 will help you, the experienced Java developer, learn and take advantage of the latest version of this rich dynamic language. You'll go from the basics of Groovy

to the latest advances in the language, including options for type checking, tail-call and memoization optimizations, compile time metaprogramming, and fluent interfaces to create DSLs. You don't have to leave the rich Java Platform to take advantage of Groovy. Groovy preserves Java's semantics and extends the JDK, so programming in Groovy feels like the Java language has been augmented; it's like working with a lighter, more elegant Java. If you're an experienced Java developer who wants to learn how Groovy works, you'll find exactly what you need in this book. You'll start with the fundamentals of programming in Groovy and how it works with Java, and then you'll explore advanced concepts such as unit testing with mock objects, using Builders, working with databases and XML, and creating DSLs. You'll master Groovy's powerful yet complex run-time and compile-time metaprogramming features. Much has evolved in the Groovy language since the publication of the first edition of Programming Groovy. Programming Groovy 2 will help you learn and apply Groovy's new features. Creating DSLs is easier now, and Groovy's already-powerful metaprogramming facilities have improved even more. You'll see how to work with closures, including tail call optimization and memoization. The book also covers Groovy's new static compilation feature. Whether you're learning the basics of the language or interested in getting proficient with the new features, Programming Groovy 2 has you covered. What You Need To work on the examples in the book you need Groovy 2.0.5 and Java JDK 5 or higher.

Ruby on Rails for PHP and Java Developers Jan 18 2022 This book covers developing web applications with Ruby on Rails. It discusses Ajax, directory services, and web services. The book details the configuration of Ruby on Rails with different databases such as MySQL, Oracle and SQL Server 2005. In addition, it makes a comparison with PHP, the most commonly used scripting language for developing web applications. The book also provides example applications that may be modified to suit a developer's application.

C# For Java Programmers Nov 03 2020 Java Programmers, Prepare for Microsoft's .NET initiative while enhancing your repertoire and marketability with C# for Java Programmers! C# for Java Programmers will prepare readers for the .NET framework by building on what they already know about object-oriented languages and give them the means to maintain their flexibility and effectiveness in an un-certain marketplace. This book will compare and contrast the advantages and disadvantages of both Java and C# to allow programmers to make their own decisions regarding what each language is best used for. Whatever your feelings are about Microsoft and its .NET initiative, there can be no denying that C# is here to stay. The C# language, a close cousin to Java, is a new object-oriented programming language (OOPL) designed to work within the .NET framework. It improves upon many of the vague or ill-defined areas of C++ that frequently lead programmers into trouble. C# is a strongly-typed, object-oriented language designed to give the optimum blend of simplicity, expressiveness, and performance. Written specifically for Java programmers. C# for Java Programmers is not an introductory guide to C#, but builds on what Java programmers already know about object-oriented languages to give them an efficient means for making in-roads to the .NET framework. Compare and Contrast. This book will compare and contrast many of the advantages and drawbacks of Java and C# to allow programmers to make informed, intelligent decisions based on the unique uses of each language.

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