

Java Cookbook

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Eclipse Cookbook - Steve Holzner 2004
Eclipse is a powerful open source platform that gives Java developers a new way to approach development projects. In this 'Cookbook' Steve Holzner demystifies Eclipse with practical recipes for more than 800 situations that may be encountered.

[Java Cookbook](#) - Ian F. Darwin 2001

[Modern Java Recipes](#) - Ken Kousen 2017-08-11
The introduction of functional programming concepts in Java SE 8 was a drastic change for this venerable object-oriented language. Lambda expressions, method references, and streams fundamentally changed the idioms of the language, and many developers have been trying to catch up ever since. This cookbook will help. With more than 70 detailed recipes, author Ken

Kousen shows you how to use the newest features of Java to solve a wide range of problems. For developers comfortable with previous Java versions, this guide covers nearly all of Java SE 8, and includes a chapter focused on changes coming in Java 9. Need to understand how functional idioms will change the way you write code? This cookbook—chock full of use cases—is for you. Recipes cover: The basics of lambda expressions and method references Interfaces in the `java.util.function` package Stream operations for transforming and filtering data Comparators and Collectors for sorting and converting streaming data Combining lambdas, method references, and streams Creating instances and extract values from Java’s Optional type New I/O capabilities that support functional streams The Date-Time API that replaces the legacy Date and Calendar classes Mechanisms for experimenting with concurrency and parallelism

Java 8 Recipes - Carl Dea 2014-09-25

Java 8 Recipes offers solutions to common programming problems encountered while developing Java-based applications. Fully updated with the newest features and techniques available, Java 8 Recipes provides code examples involving Lambdas, embedded scripting with Nashorn, the new date-time API, stream support, functional interfaces, and much more. Especial emphasis is given to features such as lambdas that are newly introduced in Java 8. Content is presented in the popular problem-solution format: Look up the programming problem that you want to solve. Read the solution. Apply the solution directly in your own code. Problem solved! The problem-solution approach sets Java 8 Recipes apart. Java 8 Recipes is focused less on the language itself and more on what you can do with it that is useful. The book respects your time by always focusing on a task that you might want to perform using the language. Solutions come first. Explanations come later. You are free to

crib from the book and apply the code examples directly to your own projects. Covers the newly-released Java 8, including a brand new chapter on lambdas Focuses especially on up-and-coming technologies such as Project Nashorn and Java FX 2.0 Respects your time by focusing on practical solutions you can implement in your own code

Android Cookbook - Ian Darwin 2012-04-20
Provides instruction on building Android apps, including solutions to working with web services, multitouch gestures, location awareness, and device features.

Natural Language Processing with Java Cookbook - Richard M. Reese 2019-04-25
A problem-solution guide to encounter various NLP tasks utilizing Java open source libraries and cloud-based solutions Key Features Perform simple-to-complex NLP text processing tasks using modern Java libraries Extract relationships between different text complexities using a problem-solution approach Utilize cloud-based

APIs to perform machine translation operations Book Description Natural Language Processing (NLP) has become one of the prime technologies for processing very large amounts of unstructured data from disparate information sources. This book includes a wide set of recipes and quick methods that solve challenges in text syntax, semantics, and speech tasks. At the beginning of the book, you'll learn important NLP techniques, such as identifying parts of speech, tagging words, and analyzing word semantics. You will learn how to perform lexical analysis and use machine learning techniques to speed up NLP operations. With independent recipes, you will explore techniques for customizing your existing NLP engines/models using Java libraries such as OpenNLP and the Stanford NLP library. You will also learn how to use NLP processing features from cloud-based sources, including Google and Amazon's AWS. You will master core tasks, such as stemming, lemmatization, part-of-speech tagging, and

named entity recognition. You will also learn about sentiment analysis, semantic text similarity, language identification, machine translation, and text summarization. By the end of this book, you will be ready to become a professional NLP expert using a problem-solution approach to analyze any sort of text, sentences, or semantic words. What you will learn

Explore how to use tokenizers in NLP processing
Implement NLP techniques in machine learning and deep learning applications
Identify sentences within the text and learn how to train specialized NER models
Learn how to classify documents and perform sentiment analysis
Find semantic similarities between text elements and extract text from a variety of sources
Preprocess text from a variety of data sources
Learn how to identify and translate languages

Who this book is for
This book is for data scientists, NLP engineers, and machine learning developers who want to perform their work on linguistic applications faster with the

use of popular libraries on JVM machines. This book will help you build real-world NLP applications using a recipe-based approach. Prior knowledge of Natural Language Processing basics and Java programming is expected.

Knative Cookbook - Burr Sutter 2020-04-09
Enterprise developers face several challenges when it comes to building serverless applications, such as integrating applications and building container images from source. With more than 60 practical recipes, this cookbook helps you solve these issues with Knative—the first serverless platform natively designed for Kubernetes. Each recipe contains detailed examples and exercises, along with a discussion of how and why it works. If you have a good understanding of serverless computing and Kubernetes core resources such as deployment, services, routes, and replicas, the recipes in this cookbook show you how to apply Knative in real enterprise application development. Authors

Kamesh Sampath and Burr Sutter include chapters on autoscaling, build and eventing, observability, Knative on OpenShift, and more. With this cookbook, you'll learn how to:

- Efficiently build, deploy, and manage modern serverless workloads
- Apply Knative in real enterprise scenarios, including advanced eventing
- Monitor your Knative serverless applications effectively
- Integrate Knative with CI/CD principles, such as using pipelines for faster, more successful production deployments
- Deploy a rich ecosystem of enterprise integration patterns and connectors in Apache Camel K as Kubernetes and Knative components

[Perl Cookbook](#) - Tom Christiansen 2003-08-21

Find a Perl programmer, and you'll find a copy of Perl Cookbook nearby. Perl Cookbook is a comprehensive collection of problems, solutions, and practical examples for anyone programming in Perl. The book contains hundreds of rigorously reviewed Perl "recipes" and thousands of examples ranging from brief one-

liners to complete applications. The second edition of Perl Cookbook has been fully updated for Perl 5.8, with extensive changes for Unicode support, I/O layers, `mod_perl`, and new technologies that have emerged since the previous edition of the book. Recipes have been updated to include the latest modules. New recipes have been added to every chapter of the book, and some chapters have almost doubled in size. Covered topic areas include:

- Manipulating strings, numbers, dates, arrays, and hashes
- Pattern matching and text substitutions
- References, data structures, objects, and classes
- Signals and exceptions
- Screen addressing, menus, and graphical applications
- Managing other processes
- Writing secure scripts
- Client-server programming
- Internet applications
- programming with mail, news, ftp, and telnet
- CGI and `mod_perl` programming
- Web programming

Since its first release in 1998, Perl Cookbook has earned its place in the libraries of serious Perl users of all levels of expertise by

providing practical answers, code examples, and mini-tutorials addressing the challenges that programmers face. Now the second edition of this bestselling book is ready to earn its place among the ranks of favorite Perl books as well. Whether you're a novice or veteran Perl programmer, you'll find Perl Cookbook, 2nd Edition to be one of the most useful books on Perl available. Its comfortable discussion style and accurate attention to detail cover just about any topic you'd want to know about. You can get by without having this book in your library, but once you've tried a few of the recipes, you won't want to.

Java Cookbook - Ian F. Darwin 2014-06-25

From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you 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 debugging and

data structures to GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular. Recipes include: Methods for compiling, running, and debugging
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
Directory and filesystem operations
Working with graphics, audio, and video
GUI development, including JavaFX and handlers
Network programming on both client and server
Database access, using JPA, Hibernate, and JDBC
Processing JSON and XML for data storage
Multithreading and concurrency

Java Cookbook - Ian F Darwin 2004-06-14

You have a choice: you can wade your way through lengthy Java tutorials and figure things out by trial and error, or you can pick up *Java Cookbook*, 2nd Edition and get to the heart of what you need to know when you need to know it. With the completely revised and thoroughly updated *Java Cookbook*, 2nd Edition, Java developers like you will learn by example, try out new features, and use sample code to understand how new additions to the language and platform work--and how to put them to work for you. This comprehensive collection of problems, solutions, and practical examples will satisfy Java developers at all levels of expertise. Whether you're new to Java programming and need something to bridge the gap between theory-laden reference manuals and real-world programs or you're a seasoned Java programmer looking for a new perspective or a different problem-solving context, this book will help you make the most of your Java knowledge. Packed

with hundreds of tried-and-true Java recipes covering all of the major APIs from the 1.4 version of Java, this book also offers significant first-look recipes for the most important features of the new 1.5 version, which is in beta release. You get practical solutions to everyday problems, and each is followed by a detailed, ultimately useful explanation of how and why the technology works. *Java Cookbook*, 2nd Edition includes code segments covering many specialized APIs--like those for working with Struts, Ant and other new popular Open Source tools. It also includes expanded Mac OS X Panther coverage and serves as a great launching point for Java developers who want to get started in areas outside of their specialization. In this major revision, you'll find succinct pieces of code that can be easily incorporated into other programs. Focusing on what's useful or tricky--or what's useful and tricky--*Java Cookbook*, 2nd Edition is the most practical Java programming book on the market.

Java Cookbook - Ian F. Darwin 2020-03-17

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

Java Cookbook - Ian F. Darwin 2001

A comprehensive collection of problems, solutions, and practical examples for anyone programming in Java, "The Java Cookbook" presents hundreds of tried-and-true Java "recipes" covering all of the major APIs as well as some APIs that aren't as well documented in other Java books. The book provides quick solutions to particular problems that can be incorporated into other programs, but that aren't usually programs in and of themselves. *Java 9 Concurrency Cookbook* - Javier Fernández Gonzalez 2017-04-25

Master the art of fast, effective Java development with the power of concurrent and parallel programming About This Book Get detailed coverage of important recipes on multi-threading and parallel programming This book takes a close look at the Java 9 APIs and their impact on concurrency See practical examples on thread safety, high-performance classes, safe sharing, and a whole lot more Who This Book Is For The book is for Java developers and programmers at an intermediate to advanced level. It will be especially useful for developers who want to take advantage of task-based recipes using Java 9's concurrent API to program thread-safe solutions. What You Will Learn Find out to manage the basic components of the Java Concurrency API Use synchronization mechanisms to avoid data race conditions and other problems of concurrent applications Separate the thread management from the rest of the application with the Executor framework Solve problems using a parallelized version of

the divide and conquer paradigm with the Fork / Join framework Process massive data sets in an optimized way using streams and reactive streams See which data structures we can use in concurrent applications and how to use them Practice efficient techniques to test concurrent applications Get to know tips and tricks to design concurrent applications In Detail Writing concurrent and parallel programming applications is an integral skill for any Java programmer. Java 9 comes with a host of fantastic features, including significant performance improvements and new APIs. This book will take you through all the new APIs, showing you how to build parallel and multi-threaded applications. The book covers all the elements of the Java Concurrency API, with essential recipes that will help you take advantage of the exciting new capabilities. You will learn how to use parallel and reactive streams to process massive data sets. Next, you will move on to create streams and use all their

intermediate and terminal operations to process big collections of data in a parallel and functional way. Further, you'll discover a whole range of recipes for almost everything, such as thread management, synchronization, executors, parallel and reactive streams, and many more. At the end of the book, you will learn how to obtain information about the status of some of the most useful components of the Java Concurrency API and how to test concurrent applications using different tools. Style and approach This recipe-based book will allow you to explore the exciting capabilities of concurrency in Java. After reading this book, you will be able to comfortably build parallel applications in Java 9.

[BPEL and Java Cookbook](#) - Jurij Laznik
2013-09-17

The book is written in a Cookbook format with practical recipes aimed at helping you extend BPEL capabilities with Java. This book is aimed at Java developers who use BPEL programming to

develop web services in SOA development. It is assumed that the readers are experienced with Java programming and SOA, but knowledge of BPEL is not necessarily required.

[Jakarta EE Cookbook](#) - Elder Moraes 2020-05-29
An enterprise Java developer's guide to learning JAX-RS, context and dependency injection, JavaServer Faces (JSF), and microservices with Eclipse MicroProfile using the latest features of Jakarta EE Key Features Explore Jakarta EE's latest features and API specifications and discover their benefits Build and deploy microservices using Jakarta EE 8 and Eclipse MicroProfile Build robust RESTful web services for various enterprise scenarios using the JAX-RS, JSON-P, and JSON-B APIs Book Description Jakarta EE is widely used around the world for developing enterprise applications for a variety of domains. With this book, Java professionals will be able to enhance their skills to deliver powerful enterprise solutions using practical recipes. This second edition of the Jakarta EE

Cookbook takes you through the improvements introduced in its latest version and helps you get hands-on with its significant APIs and features used for server-side development. You'll use Jakarta EE for creating RESTful web services and web applications with the JAX-RS, JSON-P, and JSON-B APIs and learn how you can improve the security of your enterprise solutions. Not only will you learn how to use the most important servers on the market, but you'll also learn to make the best of what they have to offer for your project. From an architectural point of view, this Jakarta book covers microservices, cloud computing, and containers. It allows you to explore all the tools for building reactive applications using Jakarta EE and core Java features such as lambdas. Finally, you'll discover how professionals can improve their projects by engaging with and contributing to the community. By the end of this book, you'll have become proficient in developing and deploying enterprise applications using Jakarta EE. What

you will learn

- Work with Jakarta EE's most commonly used APIs and features for server-side development
- Enable fast and secure communication in web applications with the help of HTTP2
- Build enterprise applications with reusable components
- Break down monoliths into microservices using Jakarta EE and Eclipse MicroProfile
- Improve your enterprise applications with multithreading and concurrency
- Run applications in the cloud with the help of containers
- Get to grips with continuous delivery and deployment for shipping your applications effectively

Who this book is for
This book is for Java EE developers who want to build enterprise applications or update their legacy apps with Jakarta EE's latest features and specifications. Some experience of working with Java EE and knowledge of web and cloud computing will assist with understanding the concepts covered in this book.

[Herb Schildt's Java Programming Cookbook](#) -
Herbert Schildt 2007-11-26

Your Ultimate "How-To" Guide to Java Programming! Legendary programming author Herb Schildt shares some of his favorite programming techniques in this high-powered Java "cookbook." Organized for quick reference, each recipe shows how to accomplish a practical programming task. A recipe begins with a list of key ingredients (the classes, methods, and interfaces) followed by step-by-step instructions that show how to assemble them into a complete solution. Detailed discussions explain the how and why behind each step, and a full code example puts the recipe into action. Each recipe ends with a list of options and alternatives that suggest ways to adapt the technique to fit a variety of situations. Whether you're a beginner or an experienced pro, you'll find recipes that are sure to satisfy your Java programming appetite! Topics include: String Handling Regular Expressions File Handling Applets Servlets Swing The Collections Framework Multithreading Formatting Data Learn how to:

Find substrings that match a regular expression
Use regular expressions to tokenize a string
Compress and decompress data files
Create a ZIP file
Format time and date
Use printf() to display formatted data
Reverse, rotate, and shuffle a list
Use a Comparator with a collection
Create a simple Swing application
Create a Swing-based applet
Create a simple servlet
Use a cookie with a servlet
Synchronize threads
Monitor a thread's state
Set and obtain a thread's priority
Use JScrollPane to automate scrolling
Access a resource using HttpURLConnection
Schedule a task for future execution
Use reflection to dynamically create an object and call methods
Much, much more
Kotlin Cookbook - Ken Kousen 2019-11-14
Use Kotlin to build Android apps, web applications, and more—while you learn the nuances of this popular language. With this unique cookbook, developers will learn how to apply this Java-based language to their own projects. Both experienced programmers and

those new to Kotlin will benefit from the practical recipes in this book. Author Ken Kousen (Modern Java Recipes) shows you how to solve problems with Kotlin by concentrating on your own use cases rather than on basic syntax. You provide the context and this book supplies the answers. Already big in Android development, Kotlin can be used anywhere Java is applied, as well as for iOS development, native applications, JavaScript generation, and more. Jump in and build meaningful projects with Kotlin today. Apply functional programming concepts, including lambdas, sequences, and concurrency. See how to use delegates, late initialization, and scope functions. Explore Java interoperability and access Java libraries using Kotlin. Add your own extension functions. Use helpful libraries such as JUnit 5. Get practical advice for working with specific frameworks, like Android and Spring.

Java Cookbook - Mark Deitel 2018-12

Learning a programming language can seem like

a daunting task. You may have looked at coding in the past, and felt it was too complicated and confusing. This comprehensive beginner's guide will take you step by step through learning one of the best programming languages out there. In a matter of no time, you will be writing code like a professional. Java is one of the most popular and widely used programming languages available. Most of the modern applications built around the world, including server side and business logic components, are made from the Java programming language. Its portability and ease of use has ensured that it is a favourite among novices and seasoned developers alike. This guide is written specifically for beginners. We take you step-by-step through writing your very first program, explaining each portion of code as we go along. We guide you through the workings of the Java Development Kit and Java Runtime Environment, as well as choosing an IDE. With each concept, we provide one or more example to illustrate the topic in a way that

makes it easy to understand. We break examples down into their basic workings, and provide the output for you to compare to your own results. For newcomers to Java we look at what the language has to offer, its origin and design goals, features and capabilities, as well as the various Java editions, before stepping into more in-depth topics.

Java 7 New Features Cookbook - Richard M. Reese 2012

Each recipe comprises step-by-step instructions followed by an analysis of what was done in each task and other useful information. The book is designed so that you can read it chapter by chapter, or look at the list of recipes and refer to them in no particular order. Each example comes with its expected output to make your learning even easier. This book is designed to bring those who are familiar with Java up-to-speed on the new features found in Java 7.

Eclipse - Steve Holzner 2004-04-22

Java programmers know how finicky Java can be

to work with. An omitted semi-colon or the slightest typo will cause the Java command-line compiler to spew pages of annoying error messages across your screen. And it doesn't fix them--that's up to you: fix them, compile again, and hope that nothing goes wrong this time. Eclipse, the popular Java integrated development environment (IDE) provides an elegant and powerful remedy for this common, frustrating scenario. It doesn't just catch your errors before you compile, it also suggests solutions. All you need to do is point and click. And it's free--what could be better? Still, if you're like most programmers, mastering a new technology--no matter how productive it will make you in the long run--is going to take a chunk out of your productivity now. You want to get up to speed quickly without sacrificing efficiency. O'Reilly's new guide to the technology, Eclipse, provides exactly what you're looking for: a fast-track approach to mastery of Eclipse. This insightful, hands-on book delivers clear and

concise coverage, with no fluff, that gets down to business immediately. The book is tightly focused, covering all aspects of Eclipse: the menus, preferences, views, perspectives, editors, team and debugging techniques, and how they're used every day by thousands of developers. Development of practical skills is emphasized with dozens of examples presented throughout the book. From cover-to-cover, the book is pure Eclipse, covering hundreds of techniques beginning with the most basic Java development through creating your own plug-in editors for the Eclipse environment. Some of the topics you'll learn about include: Using Eclipse to develop Java code Testing and debugging Working in teams using CVS Building Eclipse projects using Ant The Standard Widget Toolkit (SWT) Web development Developing Struts applications with Eclipse From basics to advanced topics, Eclipse takes you through the fundamentals of Eclipse and more. You may be an Eclipse novice when you pick up the book,

but you'll be a pro by the time you've finished. *JRuby Cookbook* - Justin Edelson 2008-11-06 If you're interested in JRuby, you probably don't need a tutorial on Ruby, Rails, or Java -- you just need to know how to get things done. This Cookbook offers practical solutions for using the Java implementation of the Ruby language, with targeted recipes for deploying Rails web applications on Java servers, integrating JRuby code with Java technologies, developing JRuby desktop applications with Java toolkits, and more. Using numerous reusable code samples, JRuby Cookbook shows you how to: Install and update JRuby on Windows, Mac OS X, and Linux, and IDEs such as NetBeans and Eclipse Package and deploy Rails apps on Java Servlet containers and Java EE application servers, including JBoss, Tomcat, and GlassFish Integrate Ruby and Rails applications with popular Java EE technologies such as JMS, JMX, JPA, Spring, and Hibernate Develop desktop and client applications with cross-platform Java UI technologies and toolkits

such as Swing, SWT, and Java 2D Maximize the flexibility of your testing and build environment, using both existing Java-based tools such as Ant and Maven and newer Ruby-based tools such as Rake, Raven, and Buildr The JRuby interpreter combines Ruby's simplicity and ease of use with Java's extensive libraries and technologies, a potent blend that opens new possibilities for Ruby, Rails, and Java. This Cookbook helps you take full advantage of JRuby's potential. "The JRuby Cookbook is an excellent book for any polyglot who is trying to bridge the gap between Java and Ruby. It provides solutions to specific problems developers face in both their development and testing environments, along with the applications they're building."-- Bob McWhirter, Research & Prototyping, Red Hat Middleware

Java 7 Concurrency Cookbook - Javier Fernández González 2012

"Java 7 Concurrency Cookbook" is a practical Cookbook packed with real-world solutions.

Intermediate-advanced level Java developers will learn from task-based recipes to use Java's concurrent API to program thread safe solutions, If you are a Java developer who wants to take your knowledge of concurrent programming and multithreading further, as well as discover the new concurrency features of Java 7, then "Java 7 Concurrency Cookbook" is for you. You should already be comfortable with general Java development practices and a basic grasp of threads would be an advantage.

Java Deep Learning Cookbook - Rahul Raj
2019-11-08

Use Java and Deeplearning4j to build robust, scalable, and highly accurate AI models from scratch Key Features Install and configure Deeplearning4j to implement deep learning models from scratch Explore recipes for developing, training, and fine-tuning your neural network models in Java Model neural networks using datasets containing images, text, and time-series data Book Description Java is one of the

most widely used programming languages in the world. With this book, you will see how to perform deep learning using Deeplearning4j (DL4J) - the most popular Java library for training neural networks efficiently. This book starts by showing you how to install and configure Java and DL4J on your system. You will then gain insights into deep learning basics and use your knowledge to create a deep neural network for binary classification from scratch. As you progress, you will discover how to build a convolutional neural network (CNN) in DL4J, and understand how to construct numeric vectors from text. This deep learning book will also guide you through performing anomaly detection on unsupervised data and help you set up neural networks in distributed systems effectively. In addition to this, you will learn how to import models from Keras and change the configuration in a pre-trained DL4J model. Finally, you will explore benchmarking in DL4J and optimize neural networks for optimal

results. By the end of this book, you will have a clear understanding of how you can use DL4J to build robust deep learning applications in Java. What you will learn Perform data normalization and wrangling using DL4J Build deep neural networks using DL4J Implement CNNs to solve image classification problems Train autoencoders to solve anomaly detection problems using DL4J Perform benchmarking and optimization to improve your model's performance Implement reinforcement learning for real-world use cases using RL4J Leverage the capabilities of DL4J in distributed systems Who this book is for If you are a data scientist, machine learning developer, or a deep learning enthusiast who wants to implement deep learning models in Java, this book is for you. Basic understanding of Java programming as well as some experience with machine learning and neural networks is required to get the most out of this book.

Java Cookbook, 2nd Edition - Ian F. Darwin 2004

You have a choice: you can wade your way through lengthy Java tutorials and figure things out by trial and error, or you can pick up Java Cookbook, 2nd Edition and get to the heart of what you need to know when you need to know it. With the completely revised and thoroughly updated Java Cookbook, 2nd Edition, Java developers like you will learn by example, try out new features, and use sample code to understand how new additions to the language and platform work--and how to put them to work for you. This comprehensive collection of problems, solutions, and practical examples will satisfy Java developers at all levels of expertise. Whether you're new to Java programming and need something to bridge the gap between theory-laden reference manuals and real-world programs or you're a seasoned Java programmer looking for a new perspective or a different problem-solving context, this book will help you make the most of your Java knowledge. Packed with hundreds of tried-and-true Java recipes

covering all of the major APIs from the 1.4 version of Java, this book also offers significant first-look recipes for the most important features of the new 1.5 version, which is in beta release. You get practical solutions to everyday problems, and each is followed by a detailed, ultimately useful explanation of how and why the technology works. Java Cookbook, 2nd Edition includes code segments covering many specialized APIs--like those for working with Struts, Ant and other new popular Open Source tools. It also includes expanded Mac OS X Panther coverage and serves as a great launching point for Java developers who want to get started in areas outside of their specialization. In this major revision, you'll find succinct pieces of code that can be easily incorporated into other programs. Focusing on what's useful or tricky--or what's useful and tricky-- Java Cookbook, 2nd Edition is the most practical Java programming book on the market. *SQL Cookbook* - Anthony Molinaro 2006

A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

Java Cookbook, 4th Edition - Ian Darwin 2020

Java continues to grow and evolve, and this Cookbook continues to evolve in tandem. This book helps to get you 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 are familiar with the basics of the Java language, this cookbook will bolster your knowledge of the language in general and its many recent changes and how to apply them in your day-to-day development. 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 The 4th Edition of this book has been updated to cover changes through Java 12 and includes new recipes for Big Data and data science.

Java 11 Cookbook - Nick Samoylov 2018-09-29 Solutions for modular, functional, reactive, GUI, network, and multithreaded programming Key Features Explore the latest features of Java 11 to implement efficient and reliable code Develop memory-efficient applications, understanding new garbage collection in Java 11 Create restful

webservices and microservices with Spring boot 2 and DockerBook Description For more than three decades, Java has been on the forefront of developing robust software that has helped versatile businesses meet their requirements. Being one of the most widely used programming languages in history, it's imperative for Java developers to discover effective ways of using it in order to take full advantage of the power of the latest Java features. Java 11 Cookbook offers a range of software development solutions with simple and straightforward Java 11 code examples to help you build a modern software system. Starting with the installation of Java, each recipe addresses various problem by explaining the solution and offering insights into how it works. You'll explore the new features added to Java 11 that will make your application modular, secure, and fast. The book contains recipes on functional programming, GUI programming, concurrent programming, and database programming in Java. You'll also be

taken through the new features introduced in JDK 18.3 and 18.9. By the end of this book, you'll be equipped with the skills required to write robust, scalable, and optimal Java code effectively. What you will learnSet up JDK and understand what's new in the JDK 11 installationImplement object-oriented designs using classes and interfacesManage operating system processesCreate a modular application with clear dependenciesBuild graphical user interfaces using JavaFXUse the new HTTP Client APIExplore the new diagnostic features in Java 11Discover how to use the new JShell REPL toolWho this book is for The book is for intermediate-to-advanced Java programmers who want to make their applications fast, secure, and scalable.

Regular Expressions Cookbook - Jan Goyvaerts 2012-08-13

Take the guesswork out of using regular expressions. With more than 140 practical recipes, this cookbook provides everything you

need to solve a wide range of real-world problems. Novices will learn basic skills and tools, and programmers and experienced users will find a wealth of detail. Each recipe provides samples you can use right away. This revised edition covers the regular expression flavors used by C#, Java, JavaScript, Perl, PHP, Python, Ruby, and VB.NET. You'll learn powerful new tricks, avoid flavor-specific gotchas, and save valuable time with this huge library of practical solutions. Learn regular expressions basics through a detailed tutorial Use code listings to implement regular expressions with your language of choice Understand how regular expressions differ from language to language Handle common user input with recipes for validation and formatting Find and manipulate words, special characters, and lines of text Detect integers, floating-point numbers, and other numerical formats Parse source code and process log files Use regular expressions in URLs, paths, and IP addresses Manipulate

HTML, XML, and data exchange formats
Discover little-known regular expression tricks and techniques

Data Structures and Abstractions with Java - Frank M. Carrano 2007

For one- or two-semester courses in data structures (CS-2) in the departments of Computer Science, Computer Engineering, Business, and Management Information Systems. This is the most student-friendly data structures text available that introduces ADTs in individual, brief chapters - each with pedagogical tools to help students master each concept. Using the latest features of Java 5, this unique object-oriented presentation makes a clear distinction between specification and implementation to simplify learning, while providing maximum classroom flexibility.

Java Servlet & JSP Cookbook - Bruce W. Perry 2004-01-21

Provides real-world Web application development problems and practical solutions

and hundreds of examples and sample code for Java Web developers who use JavaServer Pages or servlets, along with useful tips, techniques, tools, and shortcuts.

Quarkus Cookbook - Alex Soto Bueno 2020-07-14
Optimized for Kubernetes, Quarkus is designed to help you create Java applications that are cloud first, container native, and serverless capable. With this cookbook, authors Alex Soto Bueno and Jason Porter from Red Hat provide detailed solutions for installing, interacting with, and using Quarkus in the development and production of microservices. The recipes in this book show midlevel to senior developers familiar with Java enterprise application development how to get started with Quarkus quickly. You'll become familiar with how Quarkus works within the wider Java ecosystem and discover ways to adapt this framework to your particular needs. You'll learn how to: Shorten the development cycle by enabling live reloading in dev mode Connect to and communicate with Kafka

Develop with the reactive programming model
Easily add fault tolerance to your services
Build your application as a Kubernetes-ready container
Ease development with OpenAPI and test a native Quarkus application

Serverless Programming Cookbook - Heartin Kanikathottu 2019-01-31

Build, secure, and deploy real-world serverless applications in AWS and peek into the serverless cloud offerings from Azure, Google Cloud, and IBM Cloud Key Features
Build serverless applications with AWS Lambda, AWS CloudFormation and AWS CloudWatch
Perform data analytics and natural language processing(NLP) on the AWS serverless platform
Explore various design patterns and best practices involved in serverless computing
Book Description
Managing physical servers will be a thing of the past once you're able to harness the power of serverless computing. If you're already prepped with the basics of serverless computing, Serverless

Programming Cookbook will help you take the next step ahead. This recipe-based guide provides solutions to problems you might face while building serverless applications. You'll begin by setting up Amazon Web Services (AWS), the primary cloud provider used for most recipes. The next set of recipes will cover various components to build a Serverless application including REST APIs, database, user management, authentication, web hosting, domain registration, DNS management, CDN, messaging, notifications and monitoring. The book also introduces you to the latest technology trends such as Data Streams, Machine Learning and NLP. You will also see patterns and practices for using various services in a real world application. Finally, to broaden your understanding of Serverless computing, you'll also cover getting started guides for other cloud providers such as Azure, Google Cloud Platform and IBM cloud. By the end of this book, you'll have acquired the skills you need to build

serverless applications efficiently using various cloud offerings. What you will learn Serverless computing in AWS and explore services with other clouds Develop full-stack apps with API Gateway, Cognito, Lambda and DynamoDB Web hosting with S3, CloudFront, Route 53 and AWS Certificate Manager SQS and SNS for effective communication between microservices Monitoring and troubleshooting with CloudWatch logs and metrics Explore Kinesis Streams, Amazon ML models and Alexa Skills Kit Who this book is for For developers looking for practical solutions to common problems while building a serverless application, this book provides helpful recipes. To get started with this intermediate-level book, knowledge of basic programming is a must.

Java 9 Cookbook - Mohamed Sanaulla
2017-08-31

A definitive guide to learning the key concepts of modern application development in Java About This Book* Learn the latest features of Java 9*

Extend your Java knowledge and take your application to new levels by making it fast, secure, and scalable* Delve into the intricacies of Modular programming in Java 9Who This Book Is ForThe book is for intermediate to advanced Java programmers who want to quickly try out the new features of Java 9.What you will learn* Set up JDK and know the differences in the JDK 9 installation* Implement OO Designs using Classes and Interfaces* Manage operating system processes* Understand the new modular JDK and modular programming* Build graphical user interfaces using JavaFX* Use the new HTTP Client API* Get to know about the new diagnostic features in Java 9* See how to use the new jShell REPL tool* Test your microservices* Execute ES6 compliant JavaScript code from your Java applicationsIn DetailJava is an object-oriented programming language. It is one of the most widely accepted languages because of its design and programming features, particularly in its

promise that you can write a program once and run it anywhere.This cookbook offers a range of software development examples in simple and straightforward Java 9 code, providing step-by-step resources and time-saving methods to help you solve data problems efficiently. Starting with the installation of Java, each recipe addresses a specific problem, with a discussion that explains the solution and offers insight into how it works.We cover major concepts such as Project Jigsaw and various tools that will enable you to modularize your applications. You will learn new features in the form of recipes that will make your applications modular, secure, and fast.After reading this book, you will have a good understanding of how Java works and how it can be integrated with third-party technologies.
Java Extreme Programming Cookbook - Eric M. Burke 2003
Brimming with over 100 "recipes" for getting down to business and actually doing XP, the Java Extreme Programming Cookbook doesn't try to

"sell" you on XP; it succinctly documents the most important features of popular open source tools for XP in Java--including Ant, Junit, Http'nit, Cactus, Tomcat, XDoclet--and then digs right in, providing recipes for implementing the tools in real-world environments.

Java Cookbook - Ian F. Darwin 2014-06-25

From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you 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 debugging and data structures to GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular. Recipes include: Methods for

compiling, running, and debugging
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 Directory and
filesystem operations Working with graphics,
audio, and video GUI development, including
JavaFX and handlers Network programming on
both client and server Database access, using
JPA, Hibernate, and JDBC Processing JSON and
XML for data storage Multithreading and
concurrency

Java EE 8 Cookbook - Elder Moraes
2018-04-09

A practical guide for building effective
enterprise solutions with Java EE 8 Key Features
Recipes to get you up-and-running with Java EE
8 application development Learn how to apply
the major Java EE 8 APIs and specifications
Implement microservices and Reactive

programming with Java EE 8 Book Description
Java EE is a collection of technologies and APIs to support Enterprise Application development. The choice of what to use and when can be dauntingly complex for any developer. This book will help you master this. Packed with easy to follow recipes, this is your guide to becoming productive with Java EE 8. You will begin by seeing the latest features of Java EE 8, including major Java EE 8 APIs and specifications such as JSF 2.3, and CDI 2.0, and what they mean for you. You will use the new features of Java EE 8 to implement web-based services for your client applications. You will then learn to process the Model and Streaming APIs using JSON-P and JSON-B and will learn to use the Java Lambdas support offered in JSON-P. There are more recipes to fine-tune your RESTful development, and you will learn about the Reactive enhancements offered by the JAX-RS 2.1 specification. Later on, you will learn about the role of multithreading in your enterprise

applications and how to integrate them for transaction handling. This is followed by implementing microservices with Java EE and the advancements made by Java EE for cloud computing. The final set of recipes shows you how take advantage of the latest security features and authenticate your enterprise application. At the end of the book, the Appendix shows you how knowledge sharing can change your career and your life. What you will learn
Actionable information on the new features of Java EE 8
Using the most important APIs with real and working code
Building server side applications, web services, and web applications
Deploying and managing your application using the most important Java EE servers
Building and deploying microservices using Java EE 8
Building Reactive application by joining Java EE APIs and core Java features
Moving your application to the cloud using containers
Practical ways to improve your projects and career through community involvement
Who this

book is for This book is for developers who want to become proficient with Java EE 8 for their enterprise application development. Basic knowledge of Java is assumed

OpenGL ES 3.0 Cookbook - Parminder Singh
2015-05-30

If you are new to OpenGL ES or have some experience in 3D graphics, then this book will be extremely helpful in raising your expertise level from a novice to professional. The book implements more than 90 recipes to solve everyday challenges, helping you transition from a beginner to a professional.

Java SOA Cookbook - Eben Hewitt 2009-03-17

Java SOA Cookbook offers practical solutions and advice to programmers charged with implementing a service-oriented architecture (SOA) in their organization. Instead of providing another conceptual, high-level view of SOA, this cookbook shows you how to make SOA work. It's full of Java and XML code you can insert directly into your applications and recipes you can apply

right away. The book focuses primarily on the use of free and open source Java Web Services technologies -- including Java SE 6 and Java EE 5 tools -- but you'll find tips for using commercially available tools as well. Java SOA Cookbook will help you: Construct XML vocabularies and data models appropriate to SOA applications Build real-world web services using the latest Java standards, including JAX-WS 2.1 and JAX-RS 1.0 for RESTful web services Integrate applications from popular service providers using SOAP, POX, and Atom Create service orchestrations with complete coverage of the WS-BPEL (Business Process Execution Language) 2.0 standard Improve the reliability of SOAP-based services with specifications such as WS-Reliable Messaging Deal with governance, interoperability, and quality-of-service issues The recipes in Java SOA Cookbook will equip you with the knowledge you need to approach SOA as an integration challenge, not an obstacle.

Java Hibernate Cookbook - Yogesh Prajapati

2015-09-18

Over 50 recipes to help you build dynamic and powerful real-time Java Hibernate applications About This Book Learn to associate JDBC and Hibernate with object persistence Manage association mappings, implement basic annotations and learn caching Get to grips with Hibernate fundamentals from installation to developing a business application with this step-by-step guide Who This Book Is For This is book for Java developers who now want to learn Hibernate. Good knowledge and understanding of Java is preferred to allow efficient programming of the core elements and applications; it would be helpful if readers are familiar with the basics of SQL. What You Will Learn Set up and install Hibernate on your system and explore different ways in which Hibernate can be configured Learn the basic concepts and fundamentals of Java Hibernate Define mappings without a use of XML file using Annotations Persist collection elements such as

list, map, set and array Explore the various mapping options and learn to work with Hibernate associations Understand advanced Hibernate concepts such as caching and inheritance Develop an engaging and robust real-world hibernate application based on a common business scenario Integrate Hibernate with other frameworks to develop robust enterprise applications In Detail Hibernate is a database independent technology, so the same code will work for all databases. It helps a Java developer write a query by mapping Java bean to database tables and help create tuned queries that boost performance. Even with limited SQL knowledge one can easily perform database operations. This makes the development faster and more accurate than JDBC. Hibernate supports useful features like connection pooling, caching, and inheritance etc. This book will provide a useful hands-on guide to Hibernate to accomplish the development of a real-time Hibernate application. We will start with the

basics of Hibernate, which include setting up Hibernate - the pre-requisites and multiple ways of configuring Hibernate using Java. We will then dive deep into the fundamentals of Hibernate such as SessionFactory, session, criteria, working with objects and criteria. This will help a developer have a better understanding of how Hibernate works and what needs to be done to run a Hibernate application. Moving on, we will learn how to work with annotations, associations and collections. In the final chapters, we will see explore querying, advanced Hibernate concepts and integration with other frameworks. Style and approach This book is a practical guide filled with carefully organized step-by-step instructions. All recipes are arranged in an easy-to understand and clear manner allowing you to apply the solutions to other situations.

[Apache Camel Developer's Cookbook](#) - Scott Cranton 2013-12-26

This book is written in a Cookbook style with short recipes showing developers how to effectively implement EIP without breaking everything in the process. It is concise and to the point, and it helps developers get their data flowing between different components without the need to read through page upon page of theory, while also enabling the reader to learn how to create exciting new projects. Camel Enterprise Integration Cookbook is intended for developers who have some familiarity with Apache Camel and who want a quick lookup reference to practical, proven tips on how to perform common tasks. Every recipe also includes a summary and reference pointers for more details that make it easy for you to get a deeper understanding of the Apache Camel capabilities that you will use day to day.