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Thinking in Java *Pearson Education*

With humor and insight, the author introduces the fundamental concepts of the Java programming language, from object development to design patterns, with the help of straightforward examples. By the author of Thinking in C+++. Original. (Beginner).

Thinking in Java *Prentice Hall Professional*

An overview of the programming language's fundamentals covers syntax, initialization, implementation, classes, error handling, objects, applets, multiple threads, projects, and network programming.

On Java 8 *MindView LLC*

Thinking in Java

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Learning Java *"O'Reilly Media, Inc."*

A tutorial introducing Java basics covers programming principles, integrating applets with Web applications, and using threads, arrays, and sockets.

Java for Absolute Beginners

Learn to Program the Fundamentals the Java 9+ *Way Apress*

Write your first code in Java using simple, step-by-step examples that model real-word objects and

events, making learning easy. With this book you'll be able to pick up the concepts without fuss. Java for Absolute Beginners teaches Java development in language anyone can understand, giving you the best possible start. You'll see clear code descriptions and layout so that you can get your code running as soon as possible. After reading this book, you'll come away with the basics to get started writing programs in Java. Author Iuliana Cosmina focuses on practical knowledge and getting up to speed quickly—all the bits and pieces a novice needs to get started programming in Java. First, you'll discover how Java is executed, what type of language it is, and what it is good for. With the theory out of the way, you'll install Java, choose an editor such as IntelliJ IDEA, and write your first simple Java program. Along the way you'll compile and execute this program so it can run on any platform that supports Java. As part of this tutorial you'll see how to write high-quality code by following conventions and respecting well-known programming principles, making your projects more professional and efficient. Finally, alongside the core features of Java, you'll learn skills in some of the newest and most exciting features of the language: Generics, Lambda expressions, modular organization, local-variable type inference, and local variable syntax for Lambda expressions. Java for Absolute Beginners gives you all you need to start your Java 9+ programming journey. No experience necessary. What You'll Learn Use data types, operators, and the new stream API Install and use a build tool such as Gradle Build interactive Java applications with JavaFX Exchange data using the new JSON APIs Play with images using multi-resolution APIs Use the publish-subscribe framework Who This Book Is For Those who are new to programming and who want to start with Java.

Data Structures

Abstraction and Design Using Java

Data Structures and Problem Solving Using Java *Pearson Higher Ed*

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Data Structures and Problem Solving Using Java takes a practical and unique approach to data structures that separates interface from implementation. It is suitable for the second or third programming course. This book provides a practical introduction to data structures with an emphasis on abstract thinking and problem solving, as well as the use of Java. It does this through what remains a unique approach that clearly separates each data structure's interface (how to use a data structure) from its implementation (how to actually program that structure). Parts I (Tour of Java), II (Algorithms and Building Blocks), and III (Applications) lay the groundwork by discussing basic concepts and tools and providing some practical examples, while Part IV (Implementations) focuses on implementation of data structures. This forces the reader to think about the functionality of the data structures before the hash table is implemented. The Fourth Edition features many new updates as well as new exercises.

Data Structures and Algorithms in Java *John Wiley & Sons*

The design and analysis of efficient data structures has long been recognized as a key component of

the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface. Concrete data structures realizing the ADTs are provided as Java classes implementing the interfaces. The Java code implementing fundamental data structures in this book is organized in a single Java package, `net.datastructures`. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is complimentary with the Java Collections Framework.

Learning Java

A Bestselling Hands-On Java Tutorial *"O'Reilly Media, Inc."*

Java is the preferred language for many of today's leading-edge technologies—everything from smartphones and game consoles to robots, massive enterprise systems, and supercomputers. If you're new to Java, the fourth edition of this bestselling guide provides an example-driven introduction to the latest language features and APIs in Java 6 and 7. Advanced Java developers will be able to take a deep dive into areas such as concurrency and JVM enhancements. You'll learn powerful new ways to manage resources and exceptions in your applications, and quickly get up to speed on Java's new concurrency utilities, and APIs for web services and XML. You'll also find an updated tutorial on how to get started with the Eclipse IDE, and a brand-new introduction to database access in Java.

Think Java

How to Think Like a Computer Scientist *"O'Reilly Media, Inc."*

Currently used at many colleges, universities, and high schools, this hands-on introduction to computer science is ideal for people with little or no programming experience. The goal of this concise book is not just to teach you Java, but to help you think like a computer scientist. You'll learn how to program—a useful skill by itself—but you'll also discover how to use programming as a means to an end. Authors Allen Downey and Chris Mayfield start with the most basic concepts and gradually move into topics that are more complex, such as recursion and object-oriented programming. Each brief chapter covers the material for one week of a college course and includes exercises to help you practice what you've learned. Learn one concept at a time: tackle complex topics in a series of small steps with examples Understand how to formulate problems, think creatively about solutions, and write programs clearly and accurately Determine which development techniques work best for you, and practice the important skill of debugging Learn relationships among input and output, decisions and loops, classes and methods, strings and arrays Work on exercises involving word games, graphics, puzzles, and playing cards

Java: A Beginner's Guide, Eighth Edition *McGraw Hill Professional*

A practical introduction to Java programming—fully revised for long-term support release Java SE 11

Thoroughly updated for Java Platform Standard Edition 11, this hands-on resource shows, step by step, how to get started programming in Java from the very first chapter. Written by Java guru Herbert Schildt, the book starts with the basics, such as how to create, compile, and run a Java program. From there, you will learn essential Java keywords, syntax, and commands. Java: A Beginner's Guide, Eighth Edition covers the basics and touches on advanced features, including multithreaded programming, generics, Lambda expressions, and Swing. Enumeration, modules, and interface methods are also clearly explained. This Oracle Press guide delivers the appropriate mix of theory and practical coding necessary to get you up and running developing Java applications in no time. •Clearly explains all of the new Java SE 11 features•Features self-tests, exercises, and downloadable code samples•Written by bestselling author and leading Java authority Herbert Schildt

Just Java 2 *Pearson Education*

The #1 introduction to J2SE 1.5 and enterprise/server-side development! An international bestseller for eight years, Just Java™ 2 is the complete, accessible Java tutorial for working programmers at all levels. Fully updated and revised, this sixth edition is more than an engaging overview of Java 2 Standard Edition (J2SE 1.5) and its libraries: it's also a practical introduction to today's best enterprise and server-side programming techniques. Just Java™ 2, Sixth Edition, reflects both J2SE 1.5 and the latest Tomcat and servlet specifications. Extensive new coverage includes: New chapters on generics and enumerated types New coverage of Web services, with practical examples using Google and Amazon Web services Simplified interactive I/O with printf() Autoboxing and unboxing of primitive types Static imports, foreach loop construct, and other new language features Peter van der Linden delivers expert advice, clear explanations, and crisp sample programs throughout—including dozens new to this edition. Along the way, he introduces: The core language: syntax, objects, interfaces, nested classes, compiler secrets, and much more Key libraries: date and calendar, pattern matching, network software, mapped I/O, utilities and generic collections Server-side technology: network server systems, a complete tiny HTML Web server, and XML in Java Enterprise J2EE: Sql and JDBC™ tutorial, servlets and JSP and much more Client-side Java: fundamentals of JFC/Swing GUI development, new class data sharing details Companion Web Site All the book's examples and sample programs are available at <http://afu.com>.

The Object-oriented Thought Process *Sams Publishing*

A new edition of this title is available, ISBN-10: 0672330164 ISBN-13: 9780672330162 The Object-Oriented Thought Process, Second Edition will lay the foundation in object-oriented concepts and then explain how various object technologies are used. Author Matt Weisfeld introduces object-oriented concepts, then covers abstraction, public and private classes, reusing code, and developing frameworks. Later chapters cover building objects that work with XML, databases, and distributed systems (including EJBs, .NET, Web Services and more).Throughout the book Matt uses UML, the standard language for modeling objects, to provide illustration and examples of each concept.

A Little Java, a Few Patterns *MIT Press*

foreword by Ralph E. Johnson and drawings by Duane Bibby 'This is a book of 'why' not 'how.' If you

are interested in the nature of computation and curious about the very idea behind object orientation, this book is for you. This book will engage your brain (if not your tummy). Through its sparkling interactive style, you will learn about three essential OO concepts: interfaces, visitors, and factories. A refreshing change from the 'yet another Java book' phenomenon. Every serious Java programmer should own a copy.' -- Gary McGraw, Ph.D., Research Scientist at Reliable Software Technologies and coauthor of Java Security Java is a new object-oriented programming language that was developed by Sun Microsystems for programming the Internet and intelligent appliances. In a very short time it has become one of the most widely used programming languages for education as well as commercial applications. Design patterns, which have moved object-oriented programming to a new level, provide programmers with a language to communicate with others about their designs. As a result, programs become more readable, more reusable, and more easily extensible. In this book, Matthias Felleisen and Daniel Friedman use a small subset of Java to introduce pattern-directed program design. With their usual clarity and flair, they gently guide readers through the fundamentals of object-oriented programming and pattern-based design. Readers new to programming, as well as those with some background, will enjoy their learning experience as they work their way through Felleisen and Friedman's dialogue.  </books/FELTP/Java-fm.html> Foreword and Preface

Advanced Linux Programming *Sams Publishing*

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. Advanced Linux Programming is divided into two parts. The first covers generic UNIX system services, but with a particular eye towards Linux specific information. This portion of the book will be of use even to advanced programmers who have worked with other Linux systems since it will cover Linux specific details and differences. For programmers without UNIX experience, it will be even more valuable. The second section covers material that is entirely Linux specific. These are truly advanced topics, and are the techniques that the gurus use to build great applications. While this book will focus mostly on the Application Programming Interface (API) provided by the Linux kernel and the C library, a preliminary introduction to the development tools available will allow all who purchase the book to make immediate use of Linux.

Starting Out with Java: Early Objects PDF eBook, Global Edition *Pearson Higher Ed*

This text is intended for use in the Java programming course Tony Gaddis's accessible, step-by-step presentation helps beginning students understand the important details necessary to become skilled programmers at an introductory level. Gaddis motivates the study of both programming skills and the Java programming language by presenting all the details needed to understand the "how" and the "why"—but never losing sight of the fact that most beginners struggle with this material. His approach is both gradual and highly accessible, ensuring that students understand the logic behind developing high-quality programs. In Starting Out with Java: Early Objects, Gaddis looks at objects—the fundamentals of classes and methods—before covering procedural programming. As with all Gaddis texts, clear and easy-to-read code listings, concise and practical real-world examples, and an abundance of exercises appear in every chapter. Teaching and Learning Experience This

program presents a better teaching and learning experience—for you and your students. Enhance Learning with the Gaddis Approach: Gaddis's accessible approach features clear and easy-to-read code listings, concise real-world examples, and exercises in every chapter. Keep Your Course Current: Content is refreshed to provide the most up-to-date information on new technologies for your course. Support Instructors and Students: Student and instructor resources are available to expand on the topics presented in the text.

Thinking in C++

Practical Programming *Prentice Hall*

Best selling author Bruce Eckel has joined forces with Chuck Allison to write Thinking in C++, Volume 2, the sequel to the highly received and best selling Thinking in C++, Volume 1. Eckel is the master of teaching professional programmers how to quickly learn cutting edge topics in C++ that are glossed over in other C++ books. In Thinking in C++, Volume 2, the authors cover the finer points of exception handling, defensive programming and string and stream processing that every C++ programmer needs to know. Special attention is given to generic programming where the authors reveal little known techniques for effectively using the Standard Template Library. In addition, Eckel and Allison demonstrate how to apply RTTI, design patterns and concurrent programming techniques to improve the quality of industrial strength C++ applications. This book is targeted at programmers of all levels of experience who want to master C++.

Building Java Programs

A Back to Basics Approach *Addison-Wesley*

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C++ Inside & Out *McGraw-Hill Osborne Media*

A comprehensive, fast-paced guide for all C programmers who want to develop their skills and write full-fledged C++ programs complete with bells and whistles. Eckel, a member of the ANSI C++ committee and a well-known author and programmer, is uniquely qualified to provide C++ programmers with the newest information in an easy-to-understand format.

Data Structures and Other Objects Using Java *Prentice Hall*

Data Structures and Other Objects Using Java is a gradual, "just-in-time" introduction to Data Structures for a CS2 course. Each chapter provides a review of the key aspects of object-oriented programming and a syntax review, giving students the foundation for understanding significant programming concepts. With this framework they are able to accomplish writing functional data structures by using a five-step method for working with data types; understanding the data type abstractly, writing a specification, using the data type, designing and implementing the data type, and analyzing the implementation. Students learn to think analytically about the efficiency and efficacy of design while gaining exposure to useful Java classes libraries.

Beginning Java 9 Fundamentals

Arrays, Objects, Modules, JShell, and Regular Expressions *Apress*

Learn the basics of Java 9, including basic programming concepts and the object-oriented fundamentals necessary at all levels of Java development. Author Kishori Sharan walks you through writing your first Java program step-by-step. Armed with that practical experience, you'll be ready to learn the core of the Java language. Beginning Java 9 Fundamentals provides over 90 diagrams and 240 complete programs to help you learn the topics faster. The book continues with a series of foundation topics, including using data types, working with operators, and writing statements in Java. These basics lead onto the heart of the Java language: object-oriented programming. By learning topics such as classes, objects, interfaces, and inheritance you'll have a good understanding of Java's object-oriented model. The final collection of topics takes what you've learned and turns you into a real Java programmer. You'll see how to take the power of object-oriented programming and write programs that can handle errors and exceptions, process strings and dates, format data, and work with arrays to manipulate data. This book is a companion to two other books also by Sharan focusing on APIs and advanced Java topics. What You'll Learn Write your first Java programs with an emphasis on learning object-oriented programming in Java Work with data types, operators, statements, classes and objects Handle exceptions, assertions, strings and dates, and object formatting Use regular expressions Work with arrays, interfaces, enums, and inheritance Deploy Java applications on memory-constrained devices using compact profiles Take advantage of the new JShell REPL tool Who This Book Is For Those who are new to Java programming, who may have some or even no prior programming experience.

Java Programming Today *Prentice Hall*

"Java Programming Today" is written with Johnston's "all of the things you need and none of the things you don't" approach to teaching a first programming language. Complete with Sun Microsystems' Java(TM) 2 Software Development Kit, readers will be writing and running their own Java programs by Chapter 2. Reviewers find her style both informative and enjoyable. Topics relevant to today's Java programmer are included in the text. Other features include: Object-oriented principles presented in easily understood examples Graphical user interface construction including common controls and menus Exception handling, Java I/O, JAR file and package creation, and CLASSPATH discussion Program troubleshooting and debugging including use of Java's jdb debugger The accompanying CD-ROM contains source code for all sample programs, Sun Microsystems' Java(TM) 2 Software Development Kit, and jEdit, a Java source code editor. Instructors and users of this text will benefit from the following ancillaries: Instructor's Manual: 0-13-048624-8 TestGen: 0-13-048795-3 Companion Website: 0-13-048796-1 BlackBoard: 0-13-049833-5 Course Compass: 0-13049835-1 To view the website that accompanies this text, please go to: <http://www.prenhall.com/johnston>

Effective Java *Addison-Wesley Professional*

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.

The Object-Oriented Thought Process *Pearson Education*

The Object-Oriented Thought Process Third Edition Matt Weisfeld An introduction to object-oriented concepts for developers looking to master modern application practices. Object-oriented programming (OOP) is the foundation of modern programming languages, including C++, Java, C#, and Visual Basic .NET. By designing with objects rather than treating the code and data as separate

entities, OOP allows objects to fully utilize other objects' services as well as inherit their functionality. OOP promotes code portability and reuse, but requires a shift in thinking to be fully understood. Before jumping into the world of object-oriented programming languages, you must first master The Object-Oriented Thought Process. Written by a developer for developers who want to make the leap to object-oriented technologies as well as managers who simply want to understand what they are managing, The Object-Oriented Thought Process provides a solution-oriented approach to object-oriented programming. Readers will learn to understand object-oriented design with inheritance or composition, object aggregation and association, and the difference between interfaces and implementations. Readers will also become more efficient and better thinkers in terms of object-oriented development. This revised edition focuses on interoperability across various technologies, primarily using XML as the communication mechanism. A more detailed focus is placed on how business objects operate over networks, including client/server architectures and web services. "Programmers who aim to create high quality software-as all programmers should-must learn the varied subtleties of the familiar yet not so familiar beasts called objects and classes. Doing so entails careful study of books such as Matt Weisfeld's The Object-Oriented Thought Process." -Bill McCarty, author of Java Distributed Objects, and Object-Oriented Design in Java Matt Weisfeld is an associate professor in business and technology at Cuyahoga Community College in Cleveland, Ohio. He has more than 20 years of experience as a professional software developer, project manager, and corporate trainer using C++, Smalltalk, .NET, and Java. He holds a BS in systems analysis, an MS in computer science, and an MBA in project management. Weisfeld has published many articles in major computer trade magazines and professional journals.

Joe Celko's Thinking in Sets: Auxiliary, Temporal, and Virtual Tables in SQL *Morgan Kaufmann*

Perfectly intelligent programmers often struggle when forced to work with SQL. Why? Joe Celko believes the problem lies with their procedural programming mindset, which keeps them from taking full advantage of the power of declarative languages. The result is overly complex and inefficient code, not to mention lost productivity. This book will change the way you think about the problems you solve with SQL programs.. Focusing on three key table-based techniques, Celko reveals their power through detailed examples and clear explanations. As you master these techniques, you'll find you are able to conceptualize problems as rooted in sets and solvable through declarative programming. Before long, you'll be coding more quickly, writing more efficient code, and applying the full power of SQL • Filled with the insights of one of the world's leading SQL authorities - noted for his knowledge and his ability to teach what he knows. • Focuses on auxiliary tables (for computing functions and other values by joins), temporal tables (for temporal queries, historical data, and audit information), and virtual tables (for improved performance). • Presents clear guidance for selecting and correctly applying the right table technique.

Think Data Structures**Algorithms and Information Retrieval in Java** *"O'Reilly Media, Inc."*

If you're a student studying computer science or a software developer preparing for technical interviews, this practical book will help you learn and review some of the most important ideas in software engineering—data structures and algorithms—in a way that's clearer, more concise, and more engaging than other materials. By emphasizing practical knowledge and skills over theory, author Allen Downey shows you how to use data structures to implement efficient algorithms, and then analyze and measure their performance. You'll explore the important classes in the Java collections framework (JCF), how they're implemented, and how they're expected to perform. Each chapter presents hands-on exercises supported by test code online. Use data structures such as lists and maps, and understand how they work Build an application that reads Wikipedia pages, parses the contents, and navigates the resulting data tree Analyze code to predict how fast it will run and how much memory it will require Write classes that implement the Map interface, using a hash table and binary search tree Build a simple web search engine with a crawler, an indexer that stores web page contents, and a retriever that returns user query results Other books by Allen Downey include Think Java, Think Python, Think Stats, and Think Bayes.

Java Language Features

With Modules, Streams, Threads, I/O, and Lambda Expressions *Apress*

Work with essential and advanced features of the Java programming language such as Java modules development, lambda expressions (closures), inner classes, threads, I/O, Collections, garbage collection, and more. Author Kishori Sharan provides over 50 diagrams and 290 complete programs to help you visualize and better understand the topics covered in this book. Java Language Features, Second Edition starts with a series of chapters on the essential language features provided by Java, including annotations, reflection, and generics. These topics are then complemented by details of how to use lambda expressions, allowing you to build powerful and efficient Java programs. The chapter on threads follows this up and discusses everything from the very basic concepts of a thread to the most advanced topics such as synchronizers, the fork/join framework, and atomic variables. This book contains unmatched coverage of Java NIO, the Stream API, the Path API, the FileVisitor API, the watch service, and asynchronous file I/O. With this in-depth knowledge, your data- and file-management programs will be able to take advantage of every feature of Java's powerful I/O framework and much more. Additionally, three appendices are available for free via the Download Source Code on apress.com. These appendices will give you a head start on the most important features of Java 10 and the new Java versioning scheme. What You'll Learn Use essential and advanced features of the Java language Code Java annotations and inner classes Work with reflection, generics, and threads Take advantage of the garbage collector Manage streams with the Stream API Who This Book Is For Those new to Java programming and continues the learning Java journey; it is recommended that you read an introductory Java programming book first, such as Beginning Java Fundamentals, from Apress.

Data Structures and Problem Solving Using Java

Pearson New International Edition

For the second or third programming course. A practical and unique approach to data structures that separates interface from implementation. This book provides a practical introduction to data structures with an emphasis on abstract thinking and problem solving, as well as the use of Java. It does this through what remains a unique approach that clearly separates each data structure's interface (how to use a data structure) from its implementation (how to actually program that structure). Parts I (Tour of Java), II (Algorithms and Building Blocks),

Hello, Android

Introducing Google's Mobile Development Platform *Pragmatic Bookshelf*

Google Android dominates the mobile market, and by targeting Android, your apps can run on most of the phones and tablets in the world. This new fourth edition of the #1 book for learning Android covers all modern Android versions from Android 4.1 through Android 5.0. Freshly added material covers new Android features such as Fragments and Google Play Services. Android is a platform you can't afford not to learn, and this book gets you started. Android is a software toolkit for mobile phones and tablets, created by Google. It's inside more than a billion devices, making Android the number one platform for application developers. Your own app could be running on all those devices! Getting started developing with Android is easy. You don't even need access to an Android phone, just a computer where you can install the Android SDK and the emulator that comes with it. Within minutes, Hello, Android gets you creating your first working application: Android's version of "Hello, World." From there, you'll build up a more substantial example: an Ultimate Tic-Tac-Toe game. By gradually adding features to the game, you'll learn about many aspects of Android programming, such as creating animated user interfaces, playing music and sound effects, building location-based services (including GPS and cell-tower triangulation), and accessing web services. You'll also learn how to publish your applications to the Google Play Store. This fourth edition of the bestselling Android classic has been revised for Android 4.1-4.3 (Jelly Bean), 4.4 (KitKat), and Android 5.0 (Lollipop). Topics have been streamlined and simplified based on reader feedback, and every page and example has been reviewed and updated for compatibility with the latest versions of Android. If you'd rather be coding than reading about coding, this book is for you.

Algorithms *Addison-Wesley Professional*

This book is Part II of the fourth edition of Robert Sedgewick and Kevin Wayne's Algorithms, the leading textbook on algorithms today, widely used in colleges and universities worldwide. Part II contains Chapters 4 through 6 of the book. The fourth edition of Algorithms surveys the most important computer algorithms currently in use and provides a full treatment of data structures and algorithms for sorting, searching, graph processing, and string processing -- including fifty algorithms every programmer should know. In this edition, new Java implementations are written in an accessible modular programming style, where all of the code is exposed to the reader and ready to use. The algorithms in this book represent a body of knowledge developed over the last 50 years that has become indispensable, not just for professional programmers and computer science

students but for any student with interests in science, mathematics, and engineering, not to mention students who use computation in the liberal arts. The companion web site, algs4.cs.princeton.edu contains An online synopsis Full Java implementations Test data Exercises and answers Dynamic visualizations Lecture slides Programming assignments with checklists Links to related material The MOOC related to this book is accessible via the "Online Course" link at algs4.cs.princeton.edu. The course offers more than 100 video lecture segments that are integrated with the text, extensive online assessments, and the large-scale discussion forums that have proven so valuable. Offered each fall and spring, this course regularly attracts tens of thousands of registrants. Robert Sedgewick and Kevin Wayne are developing a modern approach to disseminating knowledge that fully embraces technology, enabling people all around the world to discover new ways of learning and teaching. By integrating their textbook, online content, and MOOC, all at the state of the art, they have built a unique resource that greatly expands the breadth and depth of the educational experience.

Dreaming in Code

Two Dozen Programmers, Three Years, 4,732 Bugs, and One Quest for Transcendent Software *Crown Business*

A noted journalist chronicles three years in the lives of a team of maverick software developers, led by Lotus 1-2-3 creator Mitch Kapor, intent on creating a revolutionary personal information manager to challenge Microsoft Outlook. Reprint. 30,000 first printing.

Java The Complete Reference, 8th Edition *Mcgraw-hill*

The Definitive Java Programming Guide In Java: The Complete Reference, Eighth Edition, bestselling programming author Herb Schildt shows you everything you need to develop, compile, debug, and run Java programs. Updated for Java Platform, Standard Edition 7 (Java SE 7), this comprehensive volume covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key elements of the Java API library. JavaBeans, servlets, applets, and Swing are examined and real-world examples demonstrate Java in action. In addition, new Java SE 7 features such as try-with-resources, strings in switch, type inference with the diamond operator, NIO.2, and the Fork/Join Framework are discussed in detail. Coverage includes: Data types and operators Control statements Classes and objects Constructors and methods Method overloading and overriding Interfaces and packages Inheritance Exception handling Generics Autoboxing Enumerations Annotations The try-with-resources statement Varargs Multithreading The I/O classes Networking The Collections Framework Applets and servlets JavaBeans AWT and Swing The Concurrent API Much, much more

Data Structures and Problem Solving Using Java *Addison-Wesley*

Data Structures and Problem Solving Using Java, Second Edition provides a practical introduction to data structures and algorithms from the viewpoint of abstract thinking and problem solving, as well as the use of Java. This text has a clear separation of the interface and implementation to promote

abstract thinking. Java allows the programmer to write the interface and implementation separately, to place them in separate files and compile separately, and to hide the implementation details. This book goes a step further: the interface and implementation are discussed in separate parts of the book. Part I (Tour of Java), Part II (Algorithms and Building Blocks), and Part III (Applications) lay the groundwork by discussing basic concepts and tools and providing some practical examples, but implementation of data structures is not shown until Part IV (Implementations). Class interfaces are written and used before the implementation is known, forcing the reader to think about the functionality and potential efficiency of the various data structures (e.g., hash tables are written well before the hash table is implemented). *NEW! Complete chapter covering Design Patterns (Chapter 5). *NE

Java Network Programming *"O'Reilly Media, Inc."*

A guide to developing network programs covers networking fundamentals as well as TCP and UDP sockets, multicasting protocol, content handlers, servlets, I/O, parsing, Java Mail API, and Java Secure Sockets Extension.

Java For Dummies *John Wiley & Sons*

Start building powerful programs with Java 6—fast! Get an overview of Java 6 and begin building your own programs Even if you're new to Java programming—or to programming in general—you can get up and running on this wildly popular language in a hurry. This book makes it easy! From how to install and run Java to understanding classes and objects and juggling values with arrays and collections, you will get up to speed on the new features of Java 6 in no time. Discover how to Use object-oriented programming Work with the changes in Java 6 and JDK 6 Save time by reusing code Mix Java and Javascript with the new scripting tools Troubleshoot code problems and fix bugs All on the bonus CD-ROM Custom build of JCreator and all the code files used in the book Bonus chapters not included in the book Trial version of Jindent, WinOne, and NetCaptor freeware System Requirements: For details and complete system requirements, see the CD-ROM appendix. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

The C++ Programming Language *Pearson Education India*

C & C++ Code Capsules

A Guide for Practitioners *Prentice Hall*

C & C++ Code Capsules shares the hard-won wisdom of a highly successful C++/C programmer - along with an extensive collection of ISO-compliant programs that illustrate the true power of C++. Based on Chuck Allison's respected monthly columns for C/C++ Users Journal, this book delivers a wide variety of ideas for programmers of all skill levels. Allison presents valuable, little-known techniques for making the most of pointers, the preprocessor abstraction, templates, bit manipulation, visibility, control structures, and exceptions. He also demonstrates how to take full advantage of the Standard C and Standard C++ libraries - including the components he personally

developed.

Atomic Kotlin

For both beginning and experienced programmers! From the author of the multi-award-winning Thinking in C++ and Thinking in Java together with a member of the Kotlin language team comes a book that breaks the concepts into small, easy-to-digest "atoms," along with exercises supported by hints and solutions directly inside IntelliJ IDEA! No programming background necessary. Summaries for experienced programmers. Easy steps via very small chapters ("atoms"). Free accompanying exercises/solutions within IntelliJ Idea. Gives you a strong Kotlin foundation. Kotlin is cleaner, more consistent and far more powerful than Java. Increase programming productivity with Kotlin's clear, concise syntax. Produce safer, more reliable programs. Kotlin easily interacts with Java. Effortlessly migrate by adding pieces of Kotlin to an existing Java project. Support for Windows, Mac and Linux. Free version of IntelliJ IDEA includes extensive Kotlin support. Book resources, live seminars, workshops and consulting available at AtomicKotlin.com.

Java: The Complete Reference, Eleventh Edition *McGraw Hill Professional*

The Definitive Java Programming Guide Fully updated for Java SE 11, Java: The Complete Reference, Eleventh Edition explains how to develop, compile, debug, and run Java programs. Best-selling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key portions of the Java API library, such as I/O, the Collections Framework, the stream library, and the concurrency utilities. Swing, JavaBeans, and servlets are examined and numerous examples demonstrate Java in action. Of course, the very important module system is discussed in detail. This Oracle Press resource also offers an introduction to JShell, Java's interactive programming tool. Best of all, the book is written in the clear, crisp, uncompromising style that has made Schildt the choice of millions worldwide. Coverage includes:

- Data types, variables, arrays, and operators
- Control statements
- Classes, objects, and methods
- Method overloading and overriding
- Inheritance
- Local variable type inference
- Interfaces and packages
- Exception handling
- Multithreaded programming
- Enumerations, autoboxing, and annotations
- The I/O classes
- Generics
- Lambda expressions
- Modules
- String handling
- The Collections Framework
- Networking
- Event handling
- AWT
- Swing
- The Concurrent API
- The Stream API
- Regular expressions
- JavaBeans
- Servlets

Much, much more Code examples in the book are available for download at www.OraclePressBooks.com.