Data Structures And Other Objects Using Java 4th Edition

Data Structures and Other Objects Using Java **Java Data Objects** Data Structures and Other Objects Using Java *Object-oriented Design in Java* *Beginning Java Objects* **Java????????** *Data Structures & Other Objects Using Java* *Think Java* **Object-Oriented Data Structures Using Java** **Big Java** Objects First with Java **Objects First with Java: A Practical Introduction Using BlueJ, Global Edition** *Object-Oriented Programming and Java* Objects First with Java *Object-Oriented Design with UML and Java* **Object-oriented Programming with Java** **BEGINNING JAVA OBJECTS, Beginning Java Objects** Java Concepts *The Object of Java* **Objects First with Java** Object-oriented Program Development Using Java **An Introduction to Object-oriented Programming with Java** Learning Java **Java and Object Orientation: An Introduction** **Object-oriented Data Structures Using Java** Objects, Abstraction, Data Structures and Design Using Java Version 5.0 Head First Java **Objects First with Java** Starting Out with Java Computing with Java **Creating Components** **Object-Oriented Computation in C++ and Java** Object-Oriented Data Structures Using Java **Using and Understanding Java Data Objects** *Objects Unencapsulated* *Java Performance Tuning* *Java, Late Objects Version* The Essence of Object-oriented Programming with Java and UML **Concise Guide to Object-Oriented Programming**

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Java Data Objects Sep 30 2022 Introduces Java Data Objects and its capabilities, explains how to make classes persistent, how to configure JDO, how to make queries, how to perform transactions, and its use in Web applications and J2EE environments.

Object-oriented Program Development Using Java Jan 11 2021 Connecting with students of all levels in the Introductory Programming course, Gary Bronson builds the problem solving skills that students need to be successful in Computer Science. Bronson presents a new and unique method of introducing class and object-oriented design using familiar examples of recipes and product plans, both of which contain lists of procedures and materials. These fundamental ideas and design techniques are clearly applied throughout the text and further highlighted in the "Program Design and Development" sections in later chapters. This very well written text engages a wide variety of students. It includes a wealth of pedagogical learning aids to guide students while enriching the course for more advanced students with special features like the "Closer Look" boxes. Teaching object-oriented programming from the beginning, the book also introduces the Unified Modeling Language (UML) and provides an Internet Development Environment on the accompanying CD-ROM. Overall, this book equips students for success with a solid foundation in problem-solving and object-oriented programming.

Beginning Java Objects Jun 27 2022 Export author Barker covers information key for proficiency with an OO programming language like Java, and shows how to really create reusable code and extensible applications.

Java and Object Orientation: An Introduction Oct 08 2020 This second edition shows readers how to build object oriented applications in Java. Written in a clear and concise style, with lots of examples, this revised edition provides: a detailed understanding of object orientation, a thorough introduction to Java including building blocks, constructs, classes, data structures etc, coverage of graphical user interfaces and applets (AWT; Servlets), and object oriented analysis. If you are looking for a good introduction to Java and object orientation, then this is the book for you. Source code for the examples in this book is available on the Internet.

Objects First with Java Dec 22 2021 This introductory programming textbook integrates BlueJ with Java. It provides a thorough treatment of object-oriented principles.

Object-Oriented Data Structures Using Java Feb 21 2022 Continuing the success of the popular second edition, the updated and revised Object-Oriented Data Structures Using Java, Third Edition is sure to be an essential resource for students learning data structures using the Java programming language. It presents traditional data structures and object-oriented topics with an emphasis on problem-solving, theory, and software engineering principles. Beginning early and continuing throughout the text, the authors introduce and expand upon the use of many Java features including packages, interfaces, abstract classes, inheritance, and exceptions. Numerous case studies provide readers with real-world examples and demonstrate possible solutions to interesting problems. The authors' lucid writing style guides readers through the rigor of standard data structures and presents essential concepts from logical, applications, and implementation levels. Key concepts throughout the Third Edition have been clarified to increase student comprehension and retention, and end-of-chapter exercises have been updated and modified. New and Key Features to the Third Edition: -Includes the use of generics throughout the text, providing the dual benefits of allowing for a type safe use of data structures plus exposing students to modern approaches. -This text is among the first data structures textbooks to address the topic of concurrency and synchonization, which are growing in the importance as computer systems move to using more cores and threads to obtain additional performance with each new generation. Concurrency and synchonization are introduced in the new Section 5.7, where it begins with the basics of Java threads. -Provides numerous case studies and examples of the problem solving process. Each case study includes problem description, an analysis of the problem input and required output, and a discussion of the appropriate data structures to use. -Expanded chapter exercises allow you as the instructor to reinforce topics for your students using both theoretical and practical questions. -Chapters conclude with a chapter summary that highlights the most important topics of the chapter and ties together related topics.

Objects, Abstraction, Data Structures and Design Using Java Version 5.0 Aug 06 2020 This version of the book uses the latest Java technology, Java 2 Standard Edition Version 5.0 (J2SE V. 5.0), or otherwise known as "Version 5.0." This revolutionary book intertwines problem solving and software engineering with the study of traditional data structures topics. The book emphasizes the use of objects and object-oriented design. Early chapters provide background coverage of software engineering. Then, in the chapters on data structures, these principles are applied. The authors encourage use of a five-step process for the solution of case studies: problem specification, analysis, design, implementation, and testing. As is done in industry, these steps are sometimes performed in an iterative fashion rather than in strict sequence. The Java Application Programming Interface (API) is used throughout the text. Wherever possible, the specification and interface for a data structure follow the Java Collections Framework. Emphasizes the use of objects and object-oriented design Provides a primer on the Java language and offers background coverage of software engineering Encourages an iterative five-step process for the solution of case studies: problem specification, analysis, design, implementation, and testing The Java Application Programming Interface (API) is used throughout

Starting Out with Java May 03 2020 For courses in computer programming in Java. Provide a step-by-step introduction to programming in Java Starting Out with Java: From Control Structures through Objects provides a step-by-step introduction to programming in Java. Gaddis covers procedural programming-control structures and methods-before introducing object-oriented programming to ensure that students understand fundamental programming and problem-solving concepts. As with all Gaddis texts, every chapter contains clear and easy-to-read code listings, concise and practical real-world examples, and an abundance of exercises. With the 7th Edition, JavaFX has replaced Swing as the standard GUI library for Java in chapters that focus on GUI development. The Swing and Applet material from the previous edition is available online. Also available with MyLab Programming MyLab(tm) is the teaching and learning platform that empowers you to reach every student. By combining trusted author content with digital tools and a flexible platform, MyLab personalizes the learning experience and improves results for each student.With MyLab Programming, students work through hundreds of short, auto-graded coding exercises and receive immediate and helpful feedback based on their work. Note: You are purchasing a standalone product; MyLab Programming does not come packaged with this content. Students, if interested in purchasing this title with MyLab Programming, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase boththe physical text and MyLab Programming, search for: 0135188636/9780135188637 Starting Out with Java: From Control Structures through Objects Plus MyLab Programming, 7/e Package consists of: 0134793676 / 9780134793672 MyLab Programming 0134802217 / 9780134802213 Starting Out with Java: From Control Structures through Objects

Data Structures and Other Objects Using Java Nov 01 2022 Takes a gentle approach to learning data structures using the Java programming language. Providing an early, self-contained review of object-oriented programming and Java, this text gives readers a firm grasp of key concepts and allows those experienced in another language to adjust easily. It has a solid foundation in building and using abstract data types, along with an assortment of advanced topics such as B-trees for project building and graph. It incorporates Java 5.0 including the use of scanner class and generic data types (generics). MARKET: This book is if for anyone interested in learning how to write effective data structures using the Java language.

Object-Oriented Computation in C++ and Java Jan 29 2020 This is the digital version of the printed book (Copyright 2007). Virtually all business, scientific, and engineering applications are heavily reliant on numeric data items. C++ and Java offer object-oriented programmers unique flexibility and control over the computations required within such applications. However, most books on object-oriented programming gloss over such numeric data items, emphasizing instead one-dimensional containers or collections and components of the graphical user interface. Object-Oriented Computation in C++ and Java fills the gap left by such books. Drawing on more than twenty years' experience as a software developer, tester, consultant, and professor, Conrad Weisert shows readers how to use numeric objects effectively. Not limited to any language or methodology, the concepts and techniques discussed in this book are entirely independent of one's choice of design and coding methodology. Practitioners of Extreme Programming, UML-driven design, agile methods, incremental development, and so on will all develop these same data classes. Whether you are a seasoned professional or an advanced computer science student, this book can teach you techniques that will improve the quality of your programming and the efficiency of your applications. The exercises (and answers) presented in this book with teach you new ways to implement the computational power of C++, Java, and numeric data items. Topics include taxonomy of data types developing and using object-oriented classes for numeric data design patterns for commonly occurring numeric data types families of interacting numeric data types choosing efficient and flexible internal data representations techniques for exploiting pattern reuse in C++ conventions for arithmetic operations in Java numeric vectors and matrices

Data Structures and Other Objects Using Java Aug 30 2022 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.

Object-oriented Data Structures Using Java Sep 06 2020 Data Structures in Java is a continuation of Nell Dale's best-selling Introduction to Java and Software Design text. Data Structures is designed for students who have already taken one semester of computer science and are able to take a problem of medium complexity, write an algorithm to solve the problem, code the algorithm in a programming language, and demonstrate the correctness of their solution. The focus is on teaching computer science principles with chapter concepts being reinforced by case studies. The object-oriented concepts of encapsulation, inheritance, and polymorphism are covered, while the book remains centered on abstract data types.

Java Concepts Apr 13 2021 In Java Concepts, Cay Horstmann provides a comprehensive introduction to fundamental programming techniques and design skills helping the student master basic concepts. Realistic programming examples, homework assignments, and lab exercises build student problem-solving abilities.

Objects Unencapsulated Oct 27 2019 BASIC APPROACH PLEASE PROVIDE COURSE INFORMATION

Object-oriented Programming with Java Jul 17 2021 Written to appeal to both novice and veteran programmers, this complete and well-organized guide to the versatile and popular object-oriented programming language Java shows how to use it as a primary tool in many different aspects of one's programming work. It emphasizes the importance of good programming style—particularly the need to maintain an object's integrity from outside interference—and helps users harness the power of Java in object-oriented programming to create their own interesting and practical every-day applications. Discusses the basics of computer systems, and describes the fundamental elements of the Java language, with complete instructions on how to compile and run a simple program. Introduces fundamental object-oriented concepts, and shows how simple classes may be defined from scratch. Explores Java's exception-handling mechanism, and investigates Java's interface facility (i.e., polymorphism). Covers all Java applications, including use of the Abstract Windowing Toolkit, graphical programming, networking, and simulation. Includes numerous exercises, periodic reviews, case studies, and supporting visuals. For those in the computer science industry.

The Essence of Object-oriented Programming with Java and UML Jul 25 2019 CD-ROM contains: source code of the book's examples and several software tools useful for programming in Java.

Object-Oriented Programming and Java Oct 20 2021 Covering the latest in Java technologies, Object-Oriented Programming and Java teaches the subject in a systematic, fundamentals-first approach. It begins with the description of real-world object interaction scenarios and explains how they can be translated, represented and executed using object-oriented programming paradigm. By establishing a solid foundation in the understanding of object-oriented programming concepts and their applications, this book provides readers with the pre-requisites for writing proper object-oriented programs using Java.

Java, Late Objects Version Aug 25 2019 The Deitels' groundbreaking How to Program series offers unparalleled breadth and depth of object-oriented programming concepts and intermediate-level topics for further study. This survey of Java programming contains an optional extensive OOD/UML 2 case study on developing and implementing the software for an automated teller machine. The Eighth Edition of this acclaimed text is now current with the Java SE 6 updates that have occurred since the book was last published. The Late Objects Version delays coverage of class development until Chapter 8, presenting the control structures, methods and arrays material in a non-object-oriented, procedural programming context.

The Object of Java Mar 13 2021 "The Object of Java uses an "object-centric" approach to give students a solid introduction to the power of programming with Java. This edition fully incorporates features of the Java 5.0 language, along with the use of Java's awt and swing classes, providing students with an opportunity to practice the skills and techniques that serve as the building blocks of modern software development."--BOOK JACKET.

Objects First with Java Sep 18 2021 This introductory programming textbook integrates BlueJ with Java. It provides a thorough treatment of object-oriented principles.

Computing with Java Apr 01 2020 Gittleman's easy to follow book covers almost everything you need to know about Java. Topics covered include software engineering, object-oriented programming, event-driven programming and basic Java constructs. This book is designed for readers with no knowledge of Java, and no prior computing background.

Creating Components Mar 01 2020 Concurrency is a powerful technique for developing efficient and lightning- fast software. For instance, concurrency can be used in common applications such as online order processing to speed processing and ensure transaction reliability. However, mastering concurrency is one of the greatest challenges for both new and veteran programmers. Software developers with all levels of experience can refer to Creating Components: Object Oriented, Concurrent, and Distributed Computing in Java to better understand how concurrency works, more effectively deploy it in program components, and reuse these components to improve program design, quality, and performance. This text introduces concurrent and component programming to students, engineers, and programmers who are familiar with Java and procedural and GUI programming. It helps them to understand and apply concurrency in Java component programming, while exploring distributed program implementation, Java threads, objects, interfaces, exceptions, component reuse, and system design and management. By providing the fundamental concepts of object-oriented components and offering templates for distributed program components, this valuable resource reveals how programmers can apply concurrency and components to solve complex problems.

Head First Java Jul 05 2020 Learning a complex new language is no easy task especially when it s an object-oriented computer programming language like Java. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it was built to help you stay alive. It takes all the routine, ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters?

It's like the creators of the Head First approach say, suppose you're out for a hike and a tiger jumps in front of you, what happens in your brain? Neurons fire. Emotions crank up. Chemicals surge. That's how your brain knows. And that's how your brain will learn Java. Head First Java combines puzzles, strong visuals, mysteries, and soul-searching interviews with famous Java objects to engage you in many different ways. It's fast, it's fun, and it's effective. And, despite its playful appearance, Head First Java is serious stuff: a complete introduction to object-oriented programming and Java. You'll learn everything from the fundamentals to advanced topics, including threads, network sockets, and distributed programming with RMI. And the new. second edition focuses on Java 5.0, the latest version of the Java language and development platform. Because Java 5.0 is a major update to the platform, with deep, code-level changes, even more careful study and implementation is required. So learning the Head First way is more important than ever. If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. You'll see why people say it's unlike any other Java book you've ever read. By exploiting how your brain works, Head First Java compresses the time it takes to learn and retain--complex information. Its unique approach not only shows you what you need to know about Java syntax, it teaches you to think like a Java programmer. If you want to be bored, buy some other book. But if you want to understand Java, this book's for you.

Learning Java Nov 08 2020 A tutorial introducing Java basics covers programming principles, integrating applets with Web applications, and using threads, arrays, and sockets.

Java Performance Tuning Sep 26 2019 Helps readers eliminate performance problems, covering topics including bottlenecks, profiling tools, strings, algorithms, distributed systems, and servlets.

Objects First with Java: A Practical Introduction Using BlueJ, Global Edition Nov 20 2021 The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed. A Modern Approach to Functional Programming Objects First with Java: A Practical Introduction is an introduction to object-oriented programming for beginners. The main focus of the book is general object-oriented and programming concepts from a software engineering perspective. The first chapters are written for students with no programming experience with later chapters being more suitable for advanced or professional programmers. The Java programming language and BlueJ–the Java development environment – are the two tools used throughout the book. BlueJ's clear visualization of classes and objects means that students can immediately appreciate the differences between them and gain a much better understanding of the nature of an object than they would from simply reading source code. Unlike traditional textbooks, the chapters are not ordered by language features but by software development concepts. The Sixth Edition goes beyond just adding the new language constructs of Java 8. The book’s exploration of this new language demonstrates a renaissance of functional ideas in modern programming. While functional programming isn’t new in principle, it’s seen a boost in popularity based on the current computer hardware available and the changing nature of projects programmers wish to tackle. Functional language constructs make it possible to efficiently automate currency, make use of multiple cores without much effort on the side of the programmer, are both more elegant and readable, and offer great potential in solving the issue of parallel hardware. Functional programming has become an essential part of the field, and Objects First with Java gives students a basic understanding of an area they’ll need to master in order to succeed in the future.

BEGINNING JAVA OBJECTS, Jun 15 2021 With its portability, robustness, and ease of use, Java is the ideal language for developing network applications. Supported by versatile and powerful Application Programming Interfaces (APIs), Java has become the platform of choice for many developers of small as well as critical enterprise applications.

Data Structures & Other Objects Using Java Apr 25 2022 In this book, author Michael Main takes a gentle approach to the data structures course in Java. The text offers an early, self-contained review of object-oriented programming and Java to give students a firm grasp of key concepts, and allows students with a variety of backgrounds to adjust easily to the course. This book offers a flexibility that gives professors such options as emphasizing object-oriented programming, covering recursion and sorting early or accelerating the pace of the course. Main's book meets the needs of professors searching for a text that balances object-oriented programming and data structures with Java.

Java???????? May 27 2022 ??????????????????????????????,???????????????,???Java?????????????????,????????;?????????,??????????????????????????;??????????????????????????????:Java??????Java????BlueJ?

Objects First with Java Jun 03 2020 A Modern Approach to Functional Programming Objects First with Java: A Practical Introduction is an introduction to object-oriented programming for beginners. The main focus of the book is general object-oriented and programming concepts from a software engineering perspective. The first chapters are written for readers with no programming experience with later chapters being more suitable for advanced or professional programmers. The Java programming language and BlueJ--the Java development environment -- are the two tools used throughout the book. BlueJ's clear visualization of classes and objects means that readers can immediately appreciate the differences between them and gain a much better understanding of the nature of an object than they would from simply reading source code. Unlike traditional textbooks, the chapters are not ordered by language features but by software development concepts. The Sixth Edition goes beyond just adding the new language constructs of Java 8. The book's exploration of this new language demonstrates a renaissance of functional ideas in modern programming. While functional programming isn't new in principle, it's seen a boost in popularity based on the current computer hardware available and the changing nature of projects programmers wish to tackle. Functional language constructs make it possible to efficiently automate currency, make use of multiple cores without much effort on the side of the programmer, are both more elegant and readable, and offer great potential in solving the issue of parallel hardware. Functional programming has become an essential part of the field, and Objects First with Java gives students a basic understanding of an area they'll need to master in order to succeed in the future.

Objects First with Java Feb 09 2021 A Modern Approach to Functional Programming Objects First with Java: A Practical Introduction is an introduction to object-oriented programming for beginners. The main focus of the book is general object-oriented and programming concepts from a software engineering perspective. The first chapters are written for students with no programming experience with later chapters being more suitable for advanced or professional programmers. The Java programming language and BlueJ-the Java development environment - are the two tools used throughout the book. BlueJ's clear visualisation of classes and objects means that students can immediately appreciate the differences between them and gain a much better understanding of the nature of an object than they would from simply reading source code. Unlike traditional textbooks, the chapters are not ordered by language features but by software development concepts. The Sixth Edition goes beyond just adding the new language constructs of Java 8. The book's exploration of this new language demonstrates a renaissance of functional ideas in modern programming. While functional programming isn't new in principle, it's seen a boost in popularity based on the current computer hardware available and the changing nature of projects programmers wish to tackle. Functional language constructs make it possible to efficiently automate currency, make use of multiple cores without much effort on the side of the programmer, are both more elegant and readable, and offer great potential in solving the issue of parallel hardware. Functional programming has become an essential part of the field, and Objects First with Java gives students a basic understanding of an area they'll need to master in order to succeed in the future.

Beginning Java Objects May 15 2021 Among Java's many attractive features as a programming language, its object-oriented nature is key to creating powerful, reusable code and applications that are easy to maintain and extend. To take advantage of these capabilities, this guide helps readers master the syntax of the Java language, and also to gain a practical understanding of what objects are all about.

An Introduction to Object-oriented Programming with Java Dec 10 2020 An Introduction to Object-Oriented Programming with Javaprovides an accessible and technically thorough introduction to the basics of programming using java. The fourth edition continues to take a truly object-oriented approach. Objects are used early so that students think in objects right from the beginning. In the fourth edition, the coverage on defining classes has been made more accessible. The material has been broken down into smaller chunks and spread over two chapters, making it more student-friendly. Also, new to this edition is the incorporation of Java 5.0 features, including use of the Scanner Class and the Formatter Class. The hallmark feature of the book, Sample Development Programs, are continued in this edition. These provide students with an opportunity to incrementally, step by step, walk through program design, learning the fundamentals of software engineering. Object diagrams, using a subset of UML, also continue to be an important element of Wu's approach. The consistent, visual approach assists students in understanding concepts. Handles: â€¢ Consistent Problem solving approach at the end of each chapter, that follows:o Problem Statemento Overall Plano Designo Codeo Testâ€¢ Diagrams---SHOW Problem Solvingâ€¢ Placement of Objects firstâ€”Aids students in Problem Solvingâ€¢ 5.0 update is included in this revision***With the 5.0 Revision is the: incorporation of two new classes. 1. The Scanner Class 2. Formatter Class Pedagogyâ€”Tools to Problem Solve Design GuidelinesHelpful RemindersTake my Advice BoxesYou Might Want to Know BoxesQuick Check Exercises

Think Java Mar 25 2022 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

Concise Guide to Object-Oriented Programming Jun 23 2019 This engaging textbook provides an accessible introduction to coding and the world of Object-Oriented (OO) programming, using Java as the illustrative programming language. Emphasis is placed on what is most helpful for the first-time coder, in order to develop and understand their knowledge and skills in a way that is relevant and practical. The examples presented in the text demonstrate how skills in OO programming can be used to create applications and programs that have real-world value in daily life. Topics and features: presents an overview of programming and coding, a brief history of programming languages, and a concise introduction to programming in Java using BlueJ; discusses classes and objects, reviews various Java library objects and packages, and introduces the idea of the Application Programming Interface (API); highlights how OO design forms an essential role in producing a useful solution to a problem, and the importance of the concept of class polymorphism; examines what to do when code encounters an error condition, describing the exception handling mechanism and practical measures in defensive coding; investigates the work of arrays and collections, with a particular focus on fixed length arrays, the ArrayList, HashMap and HashSet; describes the basics of building a Graphical User Interface (GUI) using Swing, and the concept of a design pattern; outlines two complete applications, from conceptual design to implementation, illustrating the content covered by the rest of the book; provides code for all examples and projects at an associated website. This concise guide is ideal for the novice approaching OO programming for the first time, whether they are a student of computer science embarking on a one-semester course in this area, or someone learning for the purpose of professional development or self-improvement. The text does not require any prior knowledge of coding, software engineering, OO, or mathematics.

Big Java Jan 23 2022 Big Java: Early Objects, 7th Edition focuses on the essentials of effective learning and is suitable for a two-semester introduction to programming sequence. This text requires no prior programming experience and only a modest amount of high school algebra. Objects and classes from the standard library are used where appropriate in early sections with coverage on object-oriented design starting in Chapter 8. This gradual approach allows students to use objects throughout their study of the core algorithmic topics, without teaching bad habits that must be un-learned later. The second half covers algorithms and data structures at a level suitable for beginning students. Choosing the enhanced eText format allows students to develop their coding skills using targeted, progressive interactivities designed to integrate with the eText. All sections include built-in activities, open-ended review exercises, programming exercises, and projects to help students practice programming and build confidence. These activities go far beyond simplistic multiple-choice questions and animations. They have been designed to guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs. The perpetual access VitalSource Enhanced eText, when integrated with your school's learning management system, provides the capability to monitor student progress in VitalSource SCORECenter and track grades for homework or participation. *Enhanced eText and interactive functionality available through select vendors and may require LMS integration approval for SCORECenter.

Object-oriented Design in Java Jul 29 2022 Mitchell Waite Signature Series: Object-Oriented Design in Java takes a tutorial approach and teaches in a new way: by offering the Java code first and the design representations and explanations later. No other programming-level book on the market deals with design of Java software. There's nothing aimed at the in the trenches Java programmer. Nor can the Java programmer turn to general books on software design. These, with few exceptions, are abstract and academic, either incomprehensible or irrelevant from the perspective of the working programmer. This book targets the needs of Java application programmers, using an experience-based, hands-on approach.

Using and Understanding Java Data Objects Nov 28 2019 This is a practical guide to the features and uses of JDO, with example programs and learning tools provided.

Object-Oriented Data Structures Using Java Dec 30 2019 Object-Oriented Data Structures Using Java, Fourth Edition presents traditional data structures and object-oriented topics with an emphasis on problem-solving, theory, and software engineering principles.

Object-Oriented Design with UML and Java Aug 18 2021 Object-Oriented Design with UML and Java provides an integrated introduction to object-oriented design with the Unified Modelling Language (UML) and the Java programming language. The book demonstrates how Java applications, no matter how small, can benefit from some design during their construction. Fully road-tested by students on the authors' own courses, the book shows how these complementary technologies can be used effectively to create quality software. It requires no prior knowledge of object orientation, though readers must have some experience of Java or other high level programming language. This book covers object technology; object-oriented analysis and design; and implementation of objects with Java. It includes two case studies dealing with library applications. The UML has been incorporated into a graphical design tool called ROME, which can be downloaded from the book's website. This object modelling environment allows readers to prepare and edit various UML diagrams. ROME can be used alongside a Java compiler to generate Java code from a UML class diagram then compile and run the resulting application for hands-on learning. This text would be a valuable resource for undergraduate students taking courses on O-O analysis and design, O-O modelling, Java programming, and modelling with UML. * Integrates design and implementation, using Java and UML * Includes case studies and exercises * Bridges the gap between programming texts and high level analysis books on design