

An Introduction To Java Programming

This text is intended for a 1-semester CS1 course sequence. The Brief Version contains the first 18 chapters of the Comprehensive Version. The first 13 chapters are appropriate for preparing the AP Computer Science exam. For courses in Java Programming. A fundamentals-first introduction to basic programming concepts and techniques Designed to support an introductory programming course, Introduction to Java Programming and Data Structures teaches concepts of problem-solving and object-orientated programming using a fundamentals-first approach. Beginner programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using JavaFX. This course approaches Java GUI programming using JavaFX, which has replaced Swing as the new GUI tool for developing cross-platform-rich Internet applications and is simpler to learn and use. The 11th edition has been completely revised to enhance clarity and presentation, and includes new and expanded content, examples, and exercises.

As one of the most popular software languages for building Web applications, Java is often the first programming language developers learn. Completely revised and packed with updates for new versions of Java, the Java Programming 24-Hour Trainer, Second Edition self-paced book + video package provides everything beginners need to get started programming Java with no prior programming experience needed. As with the first edition, Java Programming 24-Hour Trainer features easy-to-follow lessons, reinforced by step-by-step instructions, screencasts, and supplemental exercises, all of which allow readers of all learning styles to master Java programming quickly and painlessly. The more than 10 hours of popular Java programming screencasts from the first edition are completely updated and revised to be more watchable than ever. This edition includes updates for Java SE 8 and Java EE 7 but continues to be useful whatever recent version of Java you choose to learn with. Lessons include: Object-Oriented Programming with Java Class Methods and Constructors Java Syntax: Bits and Pieces Packages, Interfaces, and Encapsulation Programming with Abstract Classes and Interfaces Error handling GUI Basics with Swing Event Handling in Swing GUI GUI Basics with JavaFX - NEW! Developing a game with JavaFX - NEW! Collections Generics Lambda Expressions - NEW! Working with Streams Java Serialization Network Programming Basics Streaming API - NEW! Introduction to Multi-Threading More on Concurrency Working with Databases Using JDBC Rendering Table Data to GUI Annotations and Reflection Remote Method Invocation Java EE 7 Overview - NEW! Programming with Servlets JavaServer Pages Web Applications with WebSockets - NEW! Java Messaging Service Java Naming and Directory Interface Enterprise JavaBeans Java Persistence API RESTful Web Services With JAX-RS Introduction to Spring MVC Framework Introduction to Spring

Security - NEW! Build Automation with Gradle - NEW! Java Technical Interviews strong style="color: Essential Java serves as an introduction to the programming language, Java, for scientists and engineers, and can also be used by experienced programmers wishing to learn Java as an additional language. The book focuses on how Java, and object-oriented programming, can be used to solve science and engineering problems. Many examples are included from a number of different scientific and engineering areas, as well as from business and everyday life. Pre-written packages of code are provided to help in such areas as input/output, matrix manipulation and scientific graphing. Takes a 'dive-in' approach, getting the reader writing and running programs immediately Teaches object-oriented programming for problem-solving in engineering and science

A comprehensive Java guide, with samples, exercises, casestudies, and step-by-step instruction Beginning Java Programming: The Object Oriented Approach is a straightforward resource for getting started with one of the world's most enduringly popular programming languages. Based on classes taught by the authors, the book starts with the basics and gradually builds into more advanced concepts. The approach utilizes an integrated development environment that allows readers to immediately apply what they learn, and includes step-by-step instruction with plenty of sample programs. Each chapter contains exercises based on real-world business and educational scenarios, and the final chapter uses case studies to combine several concepts and put readers' new skills to the test. Beginning Java Programming: The Object Oriented Approach provides both the information and the tools beginners need to develop Java skills, from the general concepts of object-oriented programming. Learn to: Understand the Java language and object-oriented concept implementation Use Java to access and manipulate external data Make applications accessible to users with GUIs Streamline workflow with object-oriented patterns The book is geared for those who want to use Java in an applied environment while learning at the same time. Useful as either a course text or a stand-alone self-study program, Beginning Java Programming is a thorough, comprehensive guide.

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Java skills, from the general concepts of object-oriented programming. Learn to: Understand the Java language and object-oriented concept implementation Use Java to access and manipulate external data Make applications accessible to users with GUIs Streamline workflow with object-oriented patterns The book is geared for those who want to use Java in an applied environment while learning at the same time. Useful as either a course text or a stand-alone self-study program, Beginning Java Programming is a thorough, comprehensive guide.

Note: You are purchasing a standalone product; MyProgrammingLab does not come packaged with this content. If you would like to purchase both the physical text and MyProgrammingLab search for ISBN-10: 0133862119/ISBN-13: 9780133862119. That package includes ISBN-10: 0133766268/ISBN-13: 9780133766264 and ISBN-10: 0133841030 /ISBN-13: 9780133841039. MyProgrammingLab is not a self-paced technology and should only be purchased when required by an instructor. Java: An Introduction to Problem Solving and Programming, 7e, is ideal for introductory Computer Science courses using Java, and other introductory programming courses in departments of Computer Science, Computer Engineering, CIS, MIS, IT, and Business. It also serves as a useful Java fundamentals reference for programmers. Students are introduced to object-oriented programming and important concepts such as design, testing and debugging, programming style, interfaces inheritance, and exception handling. The Java coverage is a concise, accessible introduction that covers key language features. Objects are covered thoroughly and early in the text, with an emphasis on application programs over applets. MyProgrammingLab for Java is a total learning package.

MyProgrammingLab is an online homework, tutorial, and assessment program that truly engages students in learning. It helps students better prepare for class, quizzes, and exams—resulting in better performance in the course—and provides educators a dynamic set of tools for gauging individual and class progress. Teaching and Learning Experience This program presents a better teaching and learning experience—for you and your students. Personalized Learning with MyProgrammingLab: Through the power of practice and immediate personalized feedback, MyProgrammingLab helps students fully grasp the logic, semantics, and syntax of programming. A Concise, Accessible Introduction to Java: Key Java language features are covered in an accessible manner that resonates with introductory programmers. Tried-and-true Pedagogy: Numerous case studies, programming examples, and programming tips are used to help teach problem-solving and programming techniques. Flexible Coverage that Fits your Course: Flexibility charts and optional graphics sections allow instructors to order chapters and sections based on their course needs. Instructor and Student Resources that Enhance Learning: Resources are available to expand on the topics presented in the text.

Do-It-Yourself Java Games uses a unique "discovery learning" approach to teach computer programming: learn Java programming techniques more by doing Java programming than by reading about them. Through extensive use of fill-in

blanks, with answers in the back of the book, you will be guided to write complete programs yourself, starting with the first lesson. You'll create puzzle and game programs like Choose An Adventure, Secret Code, Hangman, Crazy Eights, and many more, and discover how, when, and why Java programs are written the way they are.

By emphasizing the application of computer programming not only in success stories in the software industry but also in familiar scenarios in physical and biological science, engineering, and applied mathematics, Introduction to Programming in Java takes an interdisciplinary approach to teaching programming with the Java(TM) programming language.

Interesting applications in these fields foster a foundation of computer science concepts and programming skills that students can use in later courses while demonstrating that computation is an integral part of the modern world. Ten years in development, this book thoroughly covers the field and is ideal for traditional introductory programming courses. It can also be used as a supplement or a main text for courses that integrate programming with mathematics, science, or engineering.

This is the 4th edition of Murach's classic Java book that's trained thousands of developers in the last 10 years. Now fully updated to take advantage of the NetBeans IDE, this book helps any programmer learn Java faster and better than ever before. It's the one Java book that presents object-oriented features like inheritance, interfaces, and polymorphism in a way that's both understandable and useful in the real world. It moves at the professional pace that's expected on the job. It is full of practical coding examples that enhance training and that work as time-saving models for new applications. And it's all done in the distinctive Murach style that has been training professional programmers for more than 37 years.

Have you ever thought about learning how to make your computer do what you want it to do? Do you want to learn to program but just don't know where to start? Have all other learning resources got you confused with over explanations, rather than walking you in the right direction? Don't worry, you have to look no further. Written by not just an ...

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

For courses in Java--Introduction to Programming and Object-Oriented Programming. The Fifth Edition of this outstanding text is revised in every detail to enhance clarity, content, presentation, examples, and exercises. Now expanded to include more extensive coverage of advanced Java topics, this new edition is available two ways. Choose the Comprehensive edition (chapters 1-29) that includes the new advanced material or choose the Custom Core version (chapters 1-16) that covers material through exception handling and IO. The early chapters outline the conceptual basis for understanding Java and guide students through simple examples and exercises. Subsequent chapters progressively present Java programming in detail, including using objects for design, culminating with the development of comprehensive Java applications.

Revised edition of: Introduction to Java programming / Y. Daniel Liang, Armstrong Atlantic State University. Tenth edition. Comprehensive version. 2015.

Introduction to Java Programming Comprehensive Version Prentice Hall

An introduction to the fundamentals of Java programming offers an easy-to-follow tutorial that guides novice programmers step by step through Java programming, teaching object-oriented design and problem solving, class design and implementation, graphics and animation, GUIs, strings and data structures, and other vital topics, accompanied by a CD-ROM containing Netbeans IDE, J2SE 1.5, and the source code from the examples in the handbook. Original. (Beginner)

For courses in introductory Computer Science courses using Java, and other introductory programming courses in Computer Science, Computer Engineering, CIS, MIS, IT, and Business. A Concise, Accessible Introduction to Java Programming Ideal for a wide range of introductory computer science applications, Java: An Introduction to Problem Solving and Programming, 8th Edition introduces readers to object-oriented programming and important concepts such as design, testing and debugging, programming style, interfaces and inheritance, and exception handling. A concise, accessible introduction to Java, the text covers key Java language features in a manner that resonates with introductory programmers. Objects are covered early and thoroughly in the text. The author's tried-and-true pedagogy incorporates numerous case studies, programming examples, and programming tips, while flexibility charts and optional graphics sections allow readers to review chapters and sections based on their needs. This 8th Edition incorporates new examples, updated material, and revisions. Also available with MyLab Programming MyLab(tm)

Programming is an online learning system designed to engage students and improve results. MyLab Programming consists of programming exercises correlated to the concepts and objectives in this book. Through practice exercises and immediate, personalized feedback, MyLab Programming improves the programming competence of beginning students who often struggle with the basic concepts of programming languages. Note: You are purchasing a standalone product; MyLab(tm) 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 both the physical text and MyLab Programming , search for: 0134710754 / 9780134710754 Java: An Introduction to Problem Solving and Programming Plus MyLab Programming with Pearson eText -- Access Card Package, 8/e

Package consists of: 0134462033 / 9780134462035 Java: An Introduction to Problem Solving and Programming 0134459865 / 9780134459868 MyLab Programming with Pearson eText--Access Code Card--for Java: An Introduction to Problem Solving and Programming

Learning to program is essential to the education of every student -- in the sciences, engineering, and far beyond. As students learn to create useful applications, they also take the first steps towards understanding the computer sciences' massive impact on the modern world. Using Java, this book aims to teach programming to anyone who needs or want to learn it, in a scientific context. Princeton University's Robert Sedgwick and Kevin Wayne teach essential skills for computational problem-solving that are applicable in many modern computing environments. Fully updated to reflect Java 8 and Java's modern 64-bit memory model, this edition teaches through important examples from science, mathematics, engineering, and commercial computing. Each chapter contains questions and answers, exercises, creative exercises, and a compelling, classroom-tested case study -- all reflecting the authors' 20+ years of experience teaching introductory programming and computer science at Princeton. Coverage includes: Elements of programming: conditionals, loops, arrays, I/O, and more Functions and modules: static methods, libraries, clients, and recursion Object-oriented programming: creating and designing data types Algorithms and data structures: performance, sorts, searches, stacks, queues, and symbol tables Like all of Sedgwick and Wayne's books, Introduction to Programming in Java, Second Edition is supported by an extensive website, including libraries for programming with graphics and sound, as well as hundreds of Java programs and real-world data sets. These resources enable readers to work with interesting and engaging examples from the very beginning, helping them discover that programming is a natural, satisfying, and creative experience.

For novice programmers, finding an interesting, practical Java programming reference that doesn't overwhelm them with details and complexity is difficult. Simply Java: An Introduction to Java Programming is an easy-to-follow textbook that guides beginning programmers step-by-step through the process of learning Java. The main obstacle to learning object-oriented programming is the volume of detail that needs to be learned before even the simplest program can be created. This text eliminates extraneous details early on and stresses only concepts students need to know. It teaches classes and objects from the outset, and presents programming as extended problem solving, making it easier to understand. Class design and graphical user interfaces are introduced early, but most of the detail is postponed until after students have a better grasp of objects, classes, and inheritance.

Revised edition of: Introduction to Java programming and data structures / Y. Daniel Liang, Armstrong Atlantic State University. Eleventh edition. Comprehensive version. 2018.

This text is intended for a 1-semester CS1 course sequence. The Brief Version contains the first 18 chapters of the Comprehensive Version. The first 13 chapters are appropriate for preparing the AP Computer Science exam. For courses in Java Programming. A fundamentals-first introduction to basic programming concepts and techniques. Designed to support an introductory programming course, Introduction to Java Programming and Data Structures, Brief Version teaches concepts of problem-solving and object-orientated programming using a fundamentals-first approach. Beginner programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using JavaFX. This course approaches Java GUI programming using JavaFX, which has replaced Swing as the new GUI tool for developing cross-platform-rich Internet applications and is simpler to learn and use. The 11th edition has been completely revised to enhance clarity and presentation, and includes new and expanded content, examples, and exercises.

Made Java Skills Easy !! @_@ _____ Introduction to Java Programming, Comprehensive Version (8Th & 10th Best Selling Edition) Easy Standard Special Beginner's To Expert Edition for Students and IT Professional's 2014. This Java Book is One of worlds Best Java Book, Author teaches concepts of problem-solving and object-oriented programming using a fundamentals-first approach. Beginning programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using Java. Regardless of major, students will be able to grasp concepts of problem-solving and programming — thanks to Authors' fundamentals-first approach, students learn critical problem solving skills and core constructs before object-oriented programming. Authors' approach has been extended to application-rich programming examples, which go beyond the traditional math-based problems found in most texts. Students are introduced to topics like control statements, methods, and arrays before learning to create classes. Later chapters introduce advanced topics including graphical user interface, exception handling, I/O, and data structures. Small, simple examples demonstrate concepts and techniques while longer examples are presented in case studies with overall discussions and thorough line-by-line explanations. Increased data structures chapters make the Tenth Edition ideal for a full course on data structures.

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First on the market to cover Sun's new IDE Forte, this special edition of a Liang's widely used Java book is a comprehensive introduction to Java programming with an expanded in-depth treatment of object-oriented programming. The book is easy to read and well paced, and is ideal for self-study. The book covers all subjects required in the Level I Java Certification Exam -- fundamentals of programming (including primitive data types, control statements, methods, and arrays); object-oriented programming; graphics programming; exception handling; internationalization; multithreading; multimedia; I/O; networking; and Java data structures

Ideal for the introductory programming course, An Introduction to Programming Using Java covers all recommended topics put forth by the ACM/IEEE curriculum guidelines in a concise format that is perfect for the one-term course. An integrated lab manual enhances the learning process by providing real-world, hands-on projects. This unique approach allows readers to test their understanding of the key material at hand. Sample exams urge readers to assess their progress through the course and are ideal study aids for in-class testing. The author's innovative, accessible approach engages and excites students on the capabilities of programming using Java! TuringsCraft CodeLab access is available for adopting professors. Custom CodeLab: CodeLab is a web-based interactive programming exercise service that has been customized to accompany this text. It provides numerous short exercises, each focused on a particular programming idea or language construct. The student types in code and the system immediately judges its correctness, offering hints when the submission is incorrect. See CodeLab in action! A Jones & Bartlett Learning demonstration site is available online at jblearning.turingscraft.com. Look to the Samples and Additional Resources section below to review sample chapters! Key Features:

- Covers all recommended topics put forth by the ACM/IEEE curriculum guidelines in a concise format that is perfect for the one-term course.
- An integrated lab manual enhances the learning process with hands-on projects.
- Uses a computer in lab exercises to teach students some of the finer points of Java
- Introduces Objects early (Ch.1)
- Explains abstract classes and interfaces in the context of generic programming.

With this approach, students quickly grasp the conceptual and technical aspects of these constructs.

This text covers what students need to know about basic Java programming in a clear, straight-forward writing style.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book is intended for a one-semester, beginner's level course on Java programming. It includes the new features included in JDK1.7. Each of its 16 chapters provide review questions for the readers to self-test their learning. "Try It Out" programs that enable the readers to develop programs for real life problems have also been included. Introduction to Java Programming will help budding programmers solidify

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their foundation on Java and move on to higher level topics like Swing, JDBC, Servlets etc. Key Features • Simple presentation with an in-depth explanation of concepts up to the required level • Complete programs provided for each concept • New features included in JDK1.7 • Updated to J2SE7 • Uses the recently introduced printf() method defined in Console class instead of the classical statement System.out.println().

The professional programmer's Deitel® guide to Java™ development and the powerful Java platform Written for programmers with a background in high-level language programming, this book applies the Deitel signature live-code approach to teaching programming and explores the Java language and Java APIs in depth. The book presents concepts in the context of fully tested programs, complete with syntax shading, code highlighting, line-by-line code walkthroughs and program outputs. The book features 200+ complete Java programs with 18,000+ lines of proven Java code, and hundreds of tips that will help you build robust applications. Start with an introduction to Java using an early classes and objects approach, then rapidly move on to more advanced topics, including GUI, graphics, exception handling, generics, collections, JDBC™, web-application development with JavaServer™ Faces, web services and more. You'll enjoy the Deitels' classic treatment of object-oriented programming and the OOD/UML® ATM case study, including a complete Java implementation. When you're finished, you'll have everything you need to build object-oriented Java applications.

Java's support for GUI and network programming makes a great setting for diverse programming examples: a calculator, a strategy game, reading the Dow Jones from Yahoo , a Web surveyor application, scheduling songs for a rock-and-roll radio station, as well as traditional payroll and student GPA computations. Working with these and other examples, students learn to think like a programmer, analyze problems, devise solutions, design classes, and write code. Features *Uses the necessary features of Java 1.1 while teaching CS1 concepts. *Uses object-oriented concepts from the very beginning--classes, objects, and messages are all introduced in Chapter 1--and develops them throughout. *Applies a consistent class design procedure, usable by beginners. *Contains graphic user interface (GUI) supplements in each chapter. *Provides an early introduction to testing, covering test drivers, debugging, and test case selection. *Includes a chapter with three robust applications--a LOGO turtle, a Web surveyor, and Mancala (a strategy game)--which use the text's class design procedure and allow the students to tie the material together.

Java Programming for Beginners is an introduction to Java programming, taking you through the Java syntax and the fundamentals of object-oriented programming. About This Book Learn the basics of Java programming in a step-by-step manner Simple, yet thorough steps that beginners can follow Teaches you transferable skills, such as flow control and object-oriented programming Who This Book Is For This book is for anyone wanting to start learning the Java language, whether you're a student, casual learner, or existing programmer looking to add a new language to your skillset. No previous experience of Java or programming in general is required. What You Will Learn Learn the core Java language for both Java 8 and Java 9 Set up your Java programming environment in the most efficient way Get to know the basic syntax of Java Understand object-oriented programming and the benefits that it can bring Familiarize yourself with the workings of some of Java's core classes Design and develop a basic GUI Use industry-standard XML for passing data between applications In Detail Java is an object-oriented programming language, and 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. Java Programming for Beginners is an excellent introduction to the world of Java programming, taking you through the basics of Java syntax and the complexities of object-oriented programming. You'll gain a full understanding of Java SE programming and will be able to write Java programs with graphical user interfaces

that run on PC, Mac, or Linux machines. This book is full of informative and entertaining content, challenging exercises, and dozens of code examples you can run and learn from. By reading this book, you'll move from understanding the data types in Java, through loops and conditionals, and on to functions, classes, and file handling. The book finishes with a look at GUI development and training on how to work with XML. The book takes an efficient route through the Java landscape, covering all of the core topics that a Java developer needs. Whether you're an absolute beginner to programming, or a seasoned programmer approaching an object-oriented language for the first time, Java Programming for Beginners delivers the focused training you need to become a Java developer. Style and approach This book takes a very hands-on approach, carefully building on lessons learned with snippets and tutorials to build real projects.

Introduction to Computer Science: Java Programming presents a comprehensive approach to learning object-oriented programming with Java. Intended for first-time users, this engaging, hands-on text guides students to developing basic Java programs, troubleshooting, and debugging errors. By studying this text, students will learn computer science concepts of computational thinking and encoding as well as information about variables, expressions, classes, repetition, and other important programming concepts. Extension opportunities provide cross-curricular connections to math, science, and language arts that help students related to Java's widespread relevance in the real world. In addition to learning programming concepts, practical coverage of computing and society is addressed. The importance of abiding by basic principle of right and wrong, respecting others' ideas, and behaving in an ethical manner are emphasized.

/*0022R-5, 0-13-100225-2, Liang, Y. Daniel, Introduction to Java Programming, Fourth Edition*/ Using a step-by-step approach that fosters self-teaching for professionals studying for the SUN Java Certification Exam, this completely revised Fourth Edition of this widely used book provides an outstanding introduction to Java programming in four parts. This text lays a solid foundation with programming elements, control structures, and methods, and then moves on to object-oriented programming, graphical user interface, applets, internationalization, multimedia, I/O, and networking. This book clearly covers all of the required subjects in the Java Certification Exam. For beginning or experienced programmers who want a comprehensive introduction to Java programming with an expanded in-depth treatment of object-oriented programming.

The Java® Tutorial, Fifth Edition, is based on Release 7 of the Java Platform Standard Edition. This revised and updated edition introduces the new features added to the platform, including a section on NIO.2, the new file I/O API, and information on migrating legacy code to the new API. The deployment coverage has also been expanded, with new chapters such as “Doing More with Rich Internet Applications” and “Deployment in Depth,” and a section on the fork/join feature, has been added to the chapter on concurrency. Information reflecting Project Coin developments, including the new try-with-resources statement, the ability to catch more than one type of exception with a single exception handler, support for binary literals, and diamond syntax, which results in cleaner generics code, has been added where appropriate. The chapters covering generics, Java Web Start, and applets have also been updated. In addition, if you plan to take one of the Java SE 7 certification exams, this guide can help. A special appendix, “Preparing for Java Programming Language Certification,” lists the three exams available, details the items covered on each exam, and provides cross-references to where more information about each topic appears in the text. All of the material has been thoroughly reviewed by members of Oracle Java engineering to ensure that the information is accurate and up to date.

This book presents a focused and accessible primer on the fundamentals of Java programming, with extensive use of examples and hands-on exercises. Topics and features: provides an introduction to variables, input/output and arithmetic operations; describes objects and

contour diagrams, explains selection structures, and demonstrates how iteration structures work; discusses object-oriented concepts such as overloading and classes methods, and introduces string variables and processing; illustrates arrays and array processing and examines recursion; explores inheritance and polymorphism and investigates elementary files; presents a primer on graphical input/output, discusses elementary exception processing, and presents the basics of Javadoc; includes exercises at the end of each chapter, with selected answers in an appendix and a glossary of key terms; provides additional supplementary information at an associated website.

Java Programming: A Comprehensive Introduction is designed for an introductory programming course using Java. This text takes a logical approach to the presentation of core topics, moving step-by-step from the basics to more advanced material, with objects being introduced at the appropriate time. The book is divided into three parts: Part One covers the elements of the Java language and the fundamentals of programming. An introduction to object-oriented design is also included. Part Two introduces GUI (Graphical User Interface) programming using Swing. Part Three explores key aspects of Java's API (Application Programming Interface) library, including the Collections Framework and the concurrency API. Herb Schildt has written many successful programming books in Java, C++, C, and C#. His books have sold more than three million copies. Dale Skrien is a professor at Colby College with degrees from the University of Illinois-Champaign, the University of Washington, and St. Olaf College. He's also authored two books and is very active in SIGCSE.

NOTE: You are purchasing a standalone product; MyProgrammingLab does not come packaged with this content. If you would like to purchase both the physical text and MyProgrammingLab search for ISBN-10: 0133050572/ISBN-13: 9780133050578. That package includes ISBN-10:0132936526/ ISBN-13: 9780132936521 and ISBN-10:0132991705/ISBN-13: 9780132991704. MyProgrammingLab should only be purchased when required by an instructor. Introduction to Java Programming, Comprehensive, 9e, features comprehensive coverage ideal for a one-, two-, or three-semester CS1 course sequence. Daniel Liang teaches concepts of problem-solving and object-oriented programming using a fundamentals-first approach. Beginning programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using Java.

Java Programming: An Introduction, History, and the Fundamentals for Creating Your First Program This is the first in a series of books dedicated to learning about Java and Java programming. Java is a simple yet POWERFUL programming language, taught in colleges and used by companies all over the world. It is one of the most common programming languages used in modern business, and a graspable entry into the object-oriented class of programming languages. This book will take you from complete novice to knowledgeable beginner, with an appreciation for the history behind Java development. You will finish this entry in the series with the tools and building blocks necessary to write simple Java programs, and the foundation of learning necessary to advance to the intermediate, more complex facets of Java smoothly and seamlessly. In this book, you will find: -Who created Java, and why -An overview of object oriented programming (OOP) -How Java and its software are used -An explanation why Java is popular and user friendly -Tools, commands, and the code to build your first set of programs Whether your end goal is to work in Silicon Valley, create games, or build your own app -- every journey begins with a single step. Take the first step on your journey to harness the power of code.

Liang teaches concepts of problem-solving and object-oriented programming using a fundamentals-first approach. Beginning programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using Java.

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