

ESSENTIALS of the Java™ PROGRAMMING LANGUAGE

A Hands-On Guide



Monica Pawlan

Essentials Of The Java Programming Language Pawlan

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Essentials of the Java Programming Language Monica Pawlan,2000 If you are interested in learning the Java programming language but hesitate to dive into overly dense theoretical resources Essentials of the Java Programming Language is the perfect starting point This accessible hands on tutorial employs a learn by doing approach to introduce you to the basics It starts with a simple program then develops it bit by bit adding new features and explaining important concepts with each subsequent lesson This simple program grows into a general electronic commerce application that illustrates many of the Java 2 platforms most important elements You will learn such Java programming language essentials as The difference between applications applets and servlets JavaServer Pages Building a user interface that accepts user input Reading and writing data to files and databases Network communications including RMI and sockets Collections Serialization Packages and JAR file format Internationalization Security fundamentals including cryptographic software Essentials of the Java Programming Language ends with an explanation of object oriented programming concepts made far more understandable and relevant as a result of the [JavaTech, an Introduction to Scientific and Technical Computing with Java](#) Clark S. Lindsey,Johnny S. Tolliver,Thomas Lindblad,2005-10-13 JavaTech is a practical introduction to the Java programming language with an emphasis on the features that benefit technical computing After presenting the basics of object oriented programming in Java it examines introductory topics such as graphical interfaces and thread processes It goes on to review network programming and develops Web client server examples for tasks such as monitoring remote devices The focus then shifts to distributed computing with RMI Finally it examines how Java programs can access the local platform and interact with hardware Topics include combining native code with Java communication via serial lines and programming embedded processors An extensive web site supports the book with additional instructional materials JavaTech demonstrates the ease with which Java can be used to create powerful network applications and distributed computing applications It will be used as a textbook for programming courses and by researchers who need to learn Java for a particular task [Book Review Index](#) ,2003 Vols 8 10 of the 1965 1984 master cumulation constitute a title index [Journal of Object-oriented Programming](#) ,2001 **American Book Publishing Record** ,2000-07 **Enterprise Java Servlets** Jeff M. Genender,2002 This is not a beginner s guide it s an enterprise developer s guide to building industrial strength servlets Jeff Genender shows exactly how to dramatically improve servlet performance reliability and scalability while simplifying coding and maintenance in large scale development environments This book brings together in depth tutorials case studies and reference materials for advanced real world servlet development It draws heavily on the author s own experience in developing servlet architectures from scratch and transforming inferior servlet applications into stable reliable software Among the topics covered creating a reusable base servlet architecture that accelerates development and streamlines maintenance improving error handling establishing processes that allow multiple developers to work on the same server

projects and using servlets in sophisticated load balancing and fault tolerance applications For all enterprise developers working with servlets and related technologies and for Web developers who need to replace their current server side technologies with a more powerful solution

The J2EE Tutorial Stephanie Bodoff,2002 You re familiar with Java TM programming but now it s time for you to take it to the next level and begin creating enterprise applications with the Java TM 2 Platform Enterprise Edition J2EE TM The J2EE TM Tutorial is the hands on example driven guide that offers unparalleled technical guidance into developing and deploying applications on the J2EE platform Written by the uniquely qualified members of the Java Software team at Sun Microsystems The J2EE TM Tutorial uses the same effective interactive approach as the successful Java TM Tutorial collection Throughout this book s development hundreds of suggestions and volumes of feedback from both users and architects were integrated to ensure great writing and truly useful guidance Inside you ll find a smart mix of example programs including source code that are used to illustrate key J2EE concepts In addition clear explanations will help you make easy work of the range of technologies collected into the J2EE platform including Enterprise JavaBeans TM Java TM ServletsJavaServer Pages TM Java TM Message Service JMS Java Naming and Directory Interface TM JNDI XMLJ2EE TM Connector ArchitectureJavaMail TM JDBC TM When you re ready to create your own great enterprise applications turn to the unmatched guidance understanding and experience you ll find only in The J2EE TM Tutorial The accompanying CD ROM is filled with a wealth of valuable resources including all three Java TM Tutorial books the J2SE 1 3 1 and J2EE 1 3 1 software development kits the Java BluePrints sample application and book and Forte for Java Plugin for the J2EE SDK 0201791684B03012002

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[Advanced Programming for the Java 2 Platform](#) Calvin Austin, Monica Pawlan,2000 Choice Outstanding Academic Title 2008 The uniqueness of shape as a perceptual property lies in the fact that it is both complex and structured Shapes are perceived veridically perceived as they really are in the physical world regardless of the orientation from which they are viewed The constancy of the shape percept is the sine qua non of shape perception you are not actually studying shape if constancy cannot be achieved with the stimulus you are using Shape is the only perceptual attribute of an object that allows unambiguous identification In this first book devoted exclusively to the perception of shape by humans and machines Zygmunt Pizlo describes how we perceive shapes and how to design machines that can see shapes as we do He reviews the long history of the subject allowing the reader to

understand why it has taken so long to understand shape perception and offers a new theory of shape Until recently shape was treated in combination with such other perceptual properties as depth motion speed and color This resulted in apparently contradictory findings which made a coherent theoretical treatment of shape impossible Pizlo argues that once shape is understood to be unique among visual attributes and the perceptual mechanisms underlying shape are seen to be different from other perceptual mechanisms the research on shape becomes coherent and experimental findings no longer seem to contradict each other A single theory of shape perception is thus possible and Pizlo offers a theoretical treatment that explains how a three dimensional shape percept is produced from a two dimensional retinal image assuming only that the image has been organized into two dimensional shapes Pizlo focuses on discussion of the main concepts telling the story of shape without interruption Appendixes provide the basic mathematical and computational information necessary for a technical understanding of the argument References point the way to more in depth reading in geometry and computational vision

[The British National Bibliography](#) Arthur James Wells,2000 **Forthcoming Books** Rose Army,2000 *The Java Tutorial Continued* Mary Campione,Kathy Walrath,Alison Huml,1999 This book is a collection of tutorials written by Java Team members experts who are the authority in their areas of the Java platform This book is a self paced example driven tutorial approach to JDK 1 2 hot topics You ll find coverage of new topics such as collections internationalization advanced 2D graphics sound JavaBeans security servlets JDBC IDL RMI JAR standard extensions JNI reflection and reference objects The CD itself is a gold mine It contains this book and The Java Tutorial Second Edition in HTML format plus a combined index and JDK 1 2

Proceedings of the Third International Network Conference (INC2002) Paul Dowland,Steven Furnell,2012-06-26 This book contains the proceedings of the Third International Network Conference INC 2002 which was held in Plymouth UK in July 2002 A total of 72 papers were accepted for inclusion in the conference and they are presented here in 8 themed chapters The main topics of the book include Web Technologies and Applications Network Technologies Multimedia over IP Quality of Service Security and Privacy Distributed Technologies Mobility and Applications and Impacts The papers address state of the art research and applications of network technology arising from both the academic and industrial domains The book should consequently be of interest to network practitioners researchers academics and technical managers involved in the design development and use of network systems

Essentials Of Java Programming C Muthu,
Java Essentials Volume 1: Programming Fundamentals Lawrence G. Decamora III,Michelle C. Decamora,Vibrant Publishers,2025-09-25 Beginner friendly explanations Illustrative code snippets Emphasis on clean syntax and good coding practices Coding tasks for hands on learning Java Essentials Volume 1 Programming Fundamentals is a comprehensive and beginner friendly guide designed for anyone seeking a solid foundation in Java programming Whether you re a self learner student or educator this volume offers a well structured and practical introduction to the essentials of Java blending theory and hands on examples in a clear and engaging way This book introduces readers to the Java programming language with an

emphasis on clarity pedagogy and real world relevance The content is structured to reflect the actual learning curve of new programmers starting from how to set up the Java Development Kit JDK all the way to mastering core programming constructs such as variables data types operators control flow methods strings arrays and more Key topics covered include Downloading installing and configuring the JDK on your Machine Understanding Java program structure Declaring and using variables and constants Using operators and expressions effectively Writing conditional and loop based logic Creating and using methods Working with strings arrays and user input Applying good coding practices and debugging techniques This book is ideal for First year computer science students Senior high school students in ICT or programming strands Hobbyists and professionals transitioning into software development Instructors looking for beginner level curriculum support By the end of the book learners will be confident in writing functional Java programs and well prepared for more advanced topics like object oriented programming which will be covered in Volume 2

Java by Dissection Ira Pohl, Charlie McDowell, 2003-05-01 Enlisting the best selling by dissection method of instruction this book teaches programming techniques and presents the Java language in a sound and structured manner that is appropriate for both novice and seasoned programmers It presents a thorough introduction to the programming process by carefully developing working programs to illuminate key features of the Java programming language Program code is explained in an easy to follow manner throughout This book presents readers with a clear and thorough introduction to the programming process by carefully developing working Java programs using the method of dissection A dissection is similar to a structured walk through of the code with the intention of explaining to the reader newly encountered programming elements and idioms as found in working code Key ideas are reinforced throughout by use in different contexts

Java Charlie Masterson, 2016-11-20 Learn Java programming today and begin your path towards Java programming mastery In this Definitive Java Guide you re about to discover how to How to program code in Java through learning the core essentials that every Java programmer must know Learning Java is going to benefit you because it is going to help you in writing programs for the Web as well as being a stepping stone for learning other programming languages Here is a Preview of What You ll Learn Essentials of Java programming Read then pick up the language and start applying the concepts to learn better Major facets of Java programming Several mechanics of Java programming variables control flow strings arrays and why learning these core principles are important to Java programming success And much much more Added Benefits of owning this book Get a better understanding of the Java programming language Learn the basic essentials of Java in order to gain the confidence to tackle more advanced topics Several mechanics of Java programming variables control flow strings arrays and why learning these core principles are important to Java programming success By implementing the lessons in this book not only would you learn one of today s popular computer languages but it will serve as your guide in accomplishing all your Java goals whether as a fun hobby or as a starting point into a successful and long term programming career Take action today to

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