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**Richard L. Burden, J. Douglas Faires**



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**Fundamentals of Computer Programming with C#** Svetlin Nakov, Veselin Kolev, 2013-09-01 The free book Fundamentals of Computer Programming with C is a comprehensive computer programming tutorial that teaches programming logical thinking data structures and algorithms problem solving and high quality code with lots of examples in C It starts with the first steps in programming and software development like variables data types conditional statements loops and arrays and continues with other basic topics like methods numeral systems strings and string processing exceptions classes and objects After the basics this fundamental programming book enters into more advanced programming topics like recursion data structures lists trees hash tables and graphs high quality code unit testing and refactoring object oriented principles inheritance abstraction encapsulation and polymorphism and their implementation the C language It also covers fundamental topics that each good developer should know like algorithm design complexity of algorithms and problem solving The book uses C language and Visual Studio to illustrate the programming concepts and explains some C NET specific technologies like lambda expressions extension methods and LINQ The book is written by a team of developers lead by Svetlin Nakov who has 20 years practical software development experience It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C language in the meantime It is a great start for anyone who wants to become a skillful software engineer The books does not teach technologies like databases mobile and web development but shows the true way to master the basics of programming regardless of the languages technologies and tools It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry The book is accompanied by free video lessons presentation slides and mind maps as well as hundreds of exercises and live examples Download the free C programming book videos presentations and other resources from <http://introprogramming.info> Title Fundamentals of Computer Programming with C The Bulgarian C Programming Book ISBN 9789544007737 ISBN 13 978 954 400 773 7 9789544007737 ISBN 10 954 400 773 3 9544007733 Author Svetlin Nakov programming concepts programming fundamentals compiler Visual Studio NET NET Framework data types variables expressions statements console conditional statements control flow logic loops arrays numeral systems methods strings text processing StringBuilder exceptions exception handling stack trace streams files text files linear data structures list linked list stack queue tree balanced tree graph depth first search DFS breadth first search BFS dictionaries hash tables associative arrays sets algorithms sorting algorithm searching algorithms recursion combinatorial algorithms algorithm complexity OOP object oriented programming classes objects constructors fields properties static members abstraction interfaces encapsulation inheritance virtual methods polymorphism cohesion coupling enumerations generics namespaces UML design patterns extension methods anonymous types lambda expressions LINQ code quality high quality code high quality classes high quality methods code formatting self documenting code code refactoring problem solving problem solving methodology

9789544007737 9544007733 **Complete Java 2 Certification Study Guide** Philip Heller, Simon Roberts, 2006-02-20

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*Technology Enhanced Learning for Inclusive and Equitable Quality Education* Rafael Ferreira Mello, Nikol Rummel, Ioana Jivet, Gerti Pishtari, José A. Ruipérez Valiente, 2024-09-12. The two-volume set LNCS 15159 and 15160 constitutes the proceedings of the 19th European Conference on Technology Enhanced Learning (EC TEL 2024) which took place in Krems, Austria, in September 2024. The 37 full papers, 25 poster papers, and 10 demo papers presented in the proceedings were carefully reviewed and selected from 140 submissions for research papers and 26 poster and 19 demo submissions. They focus on effective technology adoption in educational settings, ethical concerns, and the possible digital divide these technologies could create. The theme for the 2024 conference aimed to explore the role of Technology Enhanced Learning (TEL) in this critical context and in achieving the United Nations Sustainable Development Goal for education: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. [Encyclopedia of Information Science and Technology, Second Edition](#) Khosrow-Pour, D.B.A., Mehdi, 2008-10-31. This set of books represents a detailed

compendium of authoritative research-based entries that define the contemporary state of knowledge on technology. Provided by publisher. **Design and Analysis of Algorithms** Parag H. Dave, 2007-09. All aspects pertaining to algorithm design and algorithm analysis have been discussed over the chapters in this book. [Design and Analysis of Algorithms](#) Resource

description page. **Frontiers in Education 1997**, 1997. [Pathology Informatics, An Issue of Surgical Pathology Clinics](#) Anil V. Parwani, 2015-06-25. This issue of *Surgical Pathology Clinics* takes a departure from its presentation of Differential Diagnosis, Histopathology, Staging, and Prognosis of tumors in different anatomic sites. This special issue is devoted to topics in pathology informatics as they relate to the practice of surgical pathology. Topics include: Basics of Information Systems, Hardware, Software, Networks, Interfaces and Communications, Databases, Data Representation, Coding and Communication Standards, Laboratory Information Systems, Enhancing and Customizing Laboratory Information Systems to Improve Enhance Pathologist Workflow, Laboratory Management and Operations, Specialized Laboratory Information Systems, Middleware and

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**Java with Object-oriented Programming** Paul S. Wang,2003 Paul Wang s JAVA WITH OBJECT ORIENTED PROGRAMMING eases students into an understanding of the object oriented paradigm from the very first page just as he does in JAVA WITH OBJECT ORIENTED PROGRAMMING WITH WORLDWIDE WEB APPLICATIONS on which this new book is modeled After the early chapters that present classes and Java features and constructs Wang introduces new object oriented concepts throughout the book while clearly showing how Java addresses these issues He also goes the extra step of including case studies to illustrate how Java and object oriented programming are applied Early in the book Wang introduces students to a case study involving a pocket calculator This case study is revisited throughout the book as students learn new aspects of object oriented programming and the Java language The book then concludes with a chapter on some of the processes associated with object oriented design As a result students are able to fully grasp the concepts they learn

**Java, Late Objects Version** Paul J. Deitel,Harvey M. Deitel,2010 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

**Introduction to Java Programming** Y. Daniel Liang,2011 Substantially enhanced clarity content presentation examples and exercises characterise this edition Many new illustrations chapters and case studies have been included

**Object-oriented Technology** ,2003 **AP Computer Science** Kathleen A. Larson,David Levine,2005 Boxed quotes offering advice from students who have aced the exams and from AP teachers and

college professors     **Numerical Analysis** Richard L. Burden, J. Douglas Faires, 2005 1 Mathematical preliminaries and error analysis 2 Solutions of equations in one variable 3 Interpolation and polynomial approximation 4 Numerical differentiation and integration 5 Initial value problems for ordinary differential equations 6 Direct methods for solving linear systems 7 Iterative techniques in matrix algebra 8 Approximation theory 9 Approximating eigenvalues 10 Numerical solutions of nonlinear systems of equations 11 Boundary value problems for ordinary differential equations 12 Numerical solutions to partial differential equations Local Subj     **Sun Certified Enterprise Architect for J2EE Study Guide (exam 310-051)** Paul R. Allen, Joseph J. Bambara, 2003 The only classroom based training and self assessment system this study guide provides complete coverage of all objectives for the Sun Certified Architect for J2ME exam The CD ROM features full practice exam software with interactive tutorials and lab simulations plus an adaptive test engine     *IText in Action* Bruno Lowagie, 2007 Developers looking to enhance Web and other applications with dynamic PDF document generation and or manipulation will find this book unique in content and readability     **JDBC API Tutorial and Reference** Seth White, 1999 PLEASE PROVIDE DESCRIPTION     *Java Application Development on Linux* Carl Albing, Michael Schwarz, 2004 Learn how to design develop and deploy real world Java business applications on Linux the fastest growing Java development platform This book covers the full application development life cycle on Linux from designing and developing an application to deploying and maintaining it     [Sams Teach Yourself Macromedia Dreamweaver 4 in 24 Hours](#) Betsy Bruce, 2000 Demonstrates intermediate level Web development techniques covering dynamic sites image maps interactive forms animations multimedia CGI scripts and Dynamic HTML XML and SMIL     [Java Rules](#) Douglas Dunn, 2002 Describes sections of the Java language specification JLS and the Java virtual machine specification JVMs that are of interest to mainstream business application programmers The author progresses through literals package declarations import declarations the static modifier all of the primitive data types the object class the string class iterators and utility methods for arrays and other collections c Book News Inc     [Intro to Java Programming, Comprehensive Version, Global Edition](#) Y Daniel Liang, 2015-02-27 This text is intended for a 1 2 or 3 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 Teaching and Learning Experience To provide a better teaching and learning experience for both instructors and students this program offers Fundamentals First Approach Basic programming concepts are introduced on control statements loops functions and arrays before object oriented programming is discussed Problem Driven Motivation The examples and exercises throughout the book emphasize problem solving and foster the concept of developing reusable components and using them to create practical projects A Superior Pedagogical Design that Fosters Student Interest Key concepts are reinforced with objectives lists introduction and chapter overviews easy to follow examples chapter

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