

C How To Program

For the past 20 years, UNIX insiders have cherished and zealously guarded pirated photocopies of this manuscript, a "hacker trophy" of sorts. Now legal (and legible) copies are available. An international "who's who" of UNIX wizards, including Dennis Ritchie, have contributed essays extolling the merits and importance of this underground classic.

A GOOD MORNING AMERICA BOOK CLUB PICK Shortlisted for the 2020 Women's Prize for Fiction "Through a novel with so much depth, beauty, and grace, we, like Ana, are forever changed." –Jacqueline Woodson, Vanity Fair "Gorgeous writing, gorgeous story." –Sandra Cisneros Fifteen-year-old Ana Cancion never dreamed of moving to America, the way the girls she grew up with in the Dominican countryside did. But when Juan Ruiz proposes and promises to take her to New York City, she has to say yes. It doesn't matter that he is twice her age, that there is no love between them. Their marriage is an opportunity for her entire close-knit family to eventually immigrate. So on New Year's Day, 1965, Ana leaves behind everything she knows and becomes Ana Ruiz, a wife confined to a cold six-floor walk-up in Washington Heights. Lonely and miserable, Ana hatches a reckless plan to escape. But at the bus terminal, she is stopped by Cesar, Juan's free-spirited younger brother, who convinces her to stay. As the Dominican Republic slides into political turmoil, Juan returns to protect his family's assets, leaving Cesar to take care of Ana. Suddenly, Ana is free to take English lessons at a local church, lie on the beach at Coney Island, see a movie at Radio City Music Hall, go dancing with Cesar, and imagine the possibility of a different kind of life in America. When Juan returns, Ana must decide once again between her heart and her duty to her family. In bright, musical prose that reflects the energy of New York City, Angie Cruz's *Dominicana* is a vital portrait of the immigrant experience and the timeless coming-of-age story of a young woman finding her voice in the world.

This new, briefer edition of C++ How to Program follows all the extensive updates made to C++ How to Program, Fifth Edition and offers readers a concise, introduction to the

basics of object-oriented programming in C++. Small C++ features an early object and classes approach and covers the basics of object-oriented programming including classes, objects, encapsulation, inheritance and polymorphism. Provides complete programming exercises along with numerous tips, recommended practices and cautions (all marked with icons) for writing code that is portable, reusable and optimized for performance. The accompanying CD-ROM includes all the source code from the book. A useful brief reference for programmers or anyone who wants to learn more about the C++ programming language. For courses in computer programming This package contains MyProgrammingLab® C How to Program is a comprehensive introduction to programming in C. Like other texts of the Deitels' How to Program series, the book serves as a detailed beginner source of information for college students looking to embark on a career in coding, or instructors and software-development professionals seeking to learn how to program with C. The Eighth Edition continues the tradition of the signature Deitel "Live Code" approach--presenting concepts in the context of full-working programs rather than incomplete snips of code. This gives students a chance to run each program as they study it and see how their learning applies to real world programming scenarios. Personalize Learning with MyProgrammingLab® This package includes MyProgrammingLab, an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them better absorb course material and understand difficult concepts. MyProgrammingLab should only be purchased when required by an instructor. Please be sure you have the correct ISBN and Course ID. Instructors, contact your Pearson representative for more information.

Late Objects Version

How to Program

Lions' Commentary on UNIX 6th Edition with Source Code

Python for Programmers

C How to Program, Global Edition

Leadership and engagement expert Mark C. Crowley shows how trading in the old business playbook

for heart-led leadership strategies will create purpose-driven, dedicated employees and higher levels of performance. Revised and updated to address the needs of those managing Gen Z and millennial employees in addition to the latest global research on employee engagement. In this thoroughly revised and updated edition of his now classic book, visionary Mark C. Crowley provides the roadmap workplace leaders the world over are seeking: How to most successfully and sustainably inspire and manage other human beings in the post-pandemic era. · Nearly 50 million workers quit their jobs in the U.S. alone in 2021—a record number likely to be exceeded in 2022. · While we might imagine that an opportunity to earn greater pay is the key driver of this “Great Resignation,” research shows two-thirds of the reasons people leave jobs boil down to issues related to their engagement and overall well-being. · More specifically, people quit when they feel they aren’t valued, respected, appreciated, coached—or cared about personally—by their manager and organization. · Thanks in large part to the COVID pandemic and a global reset of what matters most to people in their lives, human beings have profoundly evolved in what they need and want in exchange for their work. · Consequently, a radical change in employee expectations demands that organizations and managers rapidly pivot by embracing leadership practices that match the moment. · The remedy to the Great Resignation is to adopt more humane ways of managing people knowing they inherently lead to infinitely greater engagement not to mention optimal employee performance. · In this new and updated version of his seminal and visionary book, Mark C. Crowley draws upon emerging medical and other scientific discoveries which prove it’s the heart, not the mind, that drives human motivation and achievement. · While we’ve long been led to believe that human beings are essentially rational beings, new research shows that feelings and emotions far more often motivate human behavior and what people care about most and commit themselves to in their lives. · In light of this breakthrough understanding, it’s become incumbent upon workplace managers to pay great attention to their employees’ emotional experience at work—far greater attention than any of us ever believed necessary. · Ironically, most of us were told the heart has no place in workplace management. In fact, most of us were taught that the heart acts like Kryptonite in leadership: it inherently undermines a manager’s effectiveness - and lowers performance. · What makes this book so remarkable is that it brilliantly contradicts all those traditional beliefs and proves why people naturally and instinctively respond to managers who care about them personally and support their deep human needs. · To be absolutely clear, there’s nothing soft or weak about the

Lead From The Heart philosophy. Instead, it represents the future of workplace management and a roadmap to driving uncommon engagement, productivity and profitability when organizations around the world are wanting it most. · Rich with inspiring stories and illuminating research, this book proves that when you lead people with a greater balance of mind and heart, people naturally follow. And they also excel.

The professional programmer's Deitel® guide to Python® with introductory artificial intelligence case studies Written for programmers with a background in another high-level language, Python for Programmers uses hands-on instruction to teach today's most compelling, leading-edge computing technologies and programming in Python—one of the world's most popular and fastest-growing languages. Please read the Table of Contents diagram inside the front cover and the Preface for more details. In the context of 500+, real-world examples ranging from individual snippets to 40 large scripts and full implementation case studies, you'll use the interactive IPython interpreter with code in Jupyter Notebooks to quickly master the latest Python coding idioms. After covering Python Chapters 1-5 and a few key parts of Chapters 6-7, you'll be able to handle significant portions of the hands-on introductory AI case studies in Chapters 11-16, which are loaded with cool, powerful, contemporary examples. These include natural language processing, data mining Twitter® for sentiment analysis, cognitive computing with IBM® Watson™, supervised machine learning with classification and regression, unsupervised machine learning with clustering, computer vision through deep learning and convolutional neural networks, deep learning with recurrent neural networks, big data with Hadoop®, Spark™ and NoSQL databases, the Internet of Things and more. You'll also work directly or indirectly with cloud-based services, including Twitter, Google Translate™, IBM Watson, Microsoft® Azure®, OpenMapQuest, PubNub and more. Features 500+ hands-on, real-world, live-code examples from snippets to case studies IPython + code in Jupyter® Notebooks Library-focused: Uses Python Standard Library and data science libraries to accomplish significant tasks with minimal code Rich Python coverage: Control statements, functions, strings, files, JSON serialization, CSV, exceptions Procedural, functional-style and object-oriented programming Collections: Lists, tuples, dictionaries, sets, NumPy arrays, pandas Series & DataFrames Static, dynamic and interactive visualizations Data experiences with real-world datasets and data sources Intro to Data Science sections: AI, basic stats, simulation, animation, random variables, data wrangling, regression AI, big data and cloud data science case studies: NLP, data mining Twitter®, IBM® Watson™, machine learning, deep

learning, computer vision, Hadoop®, Spark™, NoSQL, IoT Open-source libraries: NumPy, pandas, Matplotlib, Seaborn, Folium, SciPy, NLTK, TextBlob, spaCy, Textatistic, Tweepy, scikit-learn®, Keras and more Accompanying code examples are available here: http://ptgmedia.pearsoncmg.com/imprint_downloads/informit/bookreg/9780135224335/9780135224335_examples.zip. Register your product for convenient access to downloads, updates, and/or corrections as they become available. See inside book for more information.

C How to Program, 6e, is ideal for introductory courses in C Programming. Also for courses in Programming for Engineers, Programming for Business, and Programming for Technology. This text provides a valuable reference for programmers and anyone interested in learning the C programming language. The Deitels' groundbreaking How to Program series offers unparalleled breadth and depth of object-oriented programming concepts and intermediate-level topics for further study. Using the Deitels' signature "Live-Code™ Approach," this complete, authoritative introduction to C programming offers strong treatment of structured algorithm and program development in ANSI/ISO C with 150 working C programs. Includes rich, 300-page treatment of object-oriented programming in C++ that helps readers interpret the code more effectively.

C# builds on the skills already mastered by C++ and Java programmers, enabling them to create powerful Web applications and components - ranging from XML-based Web services on Microsoft's .NET platform to middle-tier business objects and system-level applications.

Lead From The Heart

The World Book Encyclopedia

Visual C++ 2008

Computer Programming in C for Beginners

Java SE 8 for Programmers

Appropriate for all basic-to-intermediate level courses in Visual Basic 2012 programming. Created by world-renowned programming instructor Harvey Deitel, the book introduces all facets of the Visual Basic 2012 language through a hands-on approach with hundreds of working examples. This book provides comprehensive coverage of object-oriented programming in Visual C++, including several major integrated case studies: the GradeBook class, the Time class, the Employee class and the potential OOD/UML- the industry-standard object-oriented system modeling language. Practical C++ Programming thoroughly covers: C++ syntax · Coding standards and style · Creation and use of object classes · Templates and optimization · Use of the C++ preprocessor · File input/output.

Software -- Programming Languages.

C#

C How To Program (cd) 4th Edition

C How to Program + Myprogramminglab With Pearson Etext Access Card
With an Introduction to C++

Learn to Program with C

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 extensive OOD/UML 2 case study on developing an automated teller machine. The Seventh Edition has been extensively fine-tuned and is completely up-to-date with Sun Microsystems, Inc.'s latest Java release--Java Standard Edition (Java SE) 6.

This is the story of an Irish family from Cork Ireland. It documents how they survived in the 50's and 60's and will take you on a roller coaster ride of every emotion, sometimes all on the same page. Here you will read of an inspiring mother, always encouraging her six children to laugh at life, and believe in tomorrow. She did this inspiring while battling a domineering old grandmother, and an alcoholic husband, as her children drank tea from their jam jars, and read by a candle. Its a book filled with humor, drama, and dreams that come true, culminating in the author meeting his American dream. It's said the book is like, Irish Stew for the Soul. You will feel uplifted when you finish reading a book that seems to be everyone's story.

An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, Deep Learning is the only comprehensive book on the subject." —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative

models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

"The family elements in the story - the real struggles with marriage, raising a family, making a living, and just trying to enjoy life - have broadened the book's appeal to a wider audience, primarily women who are not into technology." DARK END OF SPECTRUM will make you think twice before turning on your cell phone or PDA! DARK END OF THE SPECTRUM is a frighteningly plausible and headline ripping tale of the real threats that loom in cyberspace and beyond with a Michael Crichton realism. Based on the author's years of research into the hacker culture. DARK END OF THE SPECTRUM is a thriller that will connect with everyone with a cell phone, PDA or wireless device. When a group of digital terrorists known as ICER take over the US power grid and the cell phone network, they give the government an ultimatum - bomb the borders of Afghanistan and Pakistan with nuclear weapons to put an end to Al-Quada or they will start downing commercial airliners. When the government refuses, ICER destroys most of the downed aircraft in airports all over the country. When ICER sends a pulse that will kill millions on the East Coast, only security expert Dan Riker can stop them, but ICER has kidnapped Dan's family. Will Dan save his family or will millions die?

Java

C how to Program

C Programming Absolute Beginner's Guide

Dark End of the Spectrum

The C++ Programming Language

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

Programming in C is an introductory-level text book which follows a practical approach to help the students learn programming in a procedural manner. It discusses the line-by-line explanation of concepts and logic, used in the programs. All the programs in the book are fully-tested and compiled.

"I'm an enthusiastic supporter of the CERT Secure Coding Initiative. Programmers have lots of sources of advice on correctness, maintainability, performance, and even safety. Advice on how specific language features affect security has been missing. The Secure Coding Standard fills this need." -Randy Meyers, Chairman of ANSI C "For years we have relied upon the CERT/CC to provide advisories documenting an endless stream of security problems. Now CERT has embodied the advice of leading technical experts, programmers and managers the practical guidance needed to avoid those problems in new applications and to help secure legacy applications. Well done!" -Dr. Thomas Plum, founder of Plum Hall, Inc. "Connectivity has sharply increased the need for secure, hacker-safe applications. By combining this CERT standard with other safety guidelines, customers gain all-round protection and approach

zero-defect software.” –Chris Tapp, Field Applications Engineer, LDRA Ltd. “I’ve found this standard to be an indispensable collection of expert information on exactly how modern software systems fail in practice. It is the perfect place to start for establishing coding guidelines. You won’t find this information elsewhere, and, when it comes to software security, what you don’t know hurts you.” –John McDonald, coauthor of *The Art of Software Security Assessment* Software security has major implications for the operations and assets of organizations, as well as for the welfare of individuals. To create secure software, developers must be aware of the dangers that lie. Secure programming in C can be more difficult than even many experienced programmers believe. This book is an essential desktop reference documenting the first official release of The CERT® C Secure Coding Standard . The standard itemizes those errors that are the root causes of software vulnerabilities in C and prioritizes them by severity, likelihood of exploitation, and associated costs. Each guideline provides examples of insecure code as well as secure, alternative implementations. If uniformly applied, these guidelines will eliminate the critical coding errors that lead to buffer overflows, format string vulnerabilities, integer overflows, and other common software vulnerabilities.

On the top page of previous editions, H.M. Deitel's name appears first.

The C Programming Language

The Rust Programming Language (Covers Rust 2018)

Visual Basic 2012 How to Program, International Edition

A Novel

C for Programmers with an Introduction to C11

For Introduction to Programming (CS1) and other more intermediate courses covering programming in C++. Also appropriate as a supplement for upper-level courses where the instructor uses a book as a reference for the C++ language. This best-selling comprehensive text is aimed at readers with little or no programming experience. It teaches programming by presenting the concepts in the context of full working programs and takes an early-objects approach. The authors emphasize achieving program clarity through structured and object-oriented programming, software reuse and component-oriented software construction. The Eighth Edition encourages students to connect computers to the community, using the Internet to solve problems and make a difference in our world. All content has been carefully fine-tuned in response to a team of distinguished academic and industry reviewers.

For a wide variety of Web Programming, HTML, and JavaScript courses found in Computer Science, CIS, MIS, IT, Business, Engineering, and Continuing Education departments. Also appropriate for an introductory programming course (replacing traditional programming languages like C, C++ and Java) for schools wanting to integrate the Internet and World Wide Web into their curricula. The revision of this groundbreaking book in the Deitels'How to Program series offers a thorough treatment of programming concepts, with programs that yield visible or audible

results in Web pages and Web-based applications. The book discusses effective Web-page design, server- and client-side scripting, ActiveX(R) controls and the essentials of electronic commerce. Internet & World Wide Web How to Program also offers an alternative to traditional introductory programming courses. The fundamentals of programming no longer have to be taught in languages like C, C++ and Java. With Internet/Web markup languages (such as HTML, Dynamic HTML and XML) and scripting languages (such as JavaScript(R), VBScript(R) and Perl/CGI), you can teach the fundamentals of programming wrapped in the Web-page metaphor. This book teaches computer programming to the complete beginner using the native C language. As such, it assumes you have no knowledge whatsoever about programming. The main goal of this book is to teach fundamental programming principles using C, one of the most widely used programming languages in the world today. We discuss only those features and statements in C that are necessary to achieve our goal. Once you learn the principles well, they can be applied to any language. If you are worried that you are not good at high-school mathematics, don't be. It is a myth that you must be good at mathematics to learn programming. C is considered a 'modern' language even though its roots date back to the 1970s. Originally, C was designed for writing 'systems' programs—things like operating systems, editors, compilers, assemblers and input/output utility programs. But, today, C is used for writing all kinds of applications programs as well—word processing programs, spreadsheet programs, database management programs, accounting programs, games, robots, embedded systems/electronics (i.e., Arduino), educational software—the list is endless. Note: Appendices A-D are available as part of the free source code download at the Apress website. What You Will Learn: How to get started with programming using the C language How to use the basics of C How to program with sequence, selection and repetition logic How to work with characters How to work with functions How to use arrays Who This Book Is For: This book is intended for anyone who is learning programming for the first time.

For courses in computer programming C How to Program is a comprehensive introduction to programming in C. Like other texts of the Deitels' How to Program series, the book serves as a detailed beginner source of information for college students looking to embark on a career in coding, or instructors and software-development professionals seeking to learn how to program with C. The Eighth Edition continues the tradition of the signature Deitel "Live Code" approach--presenting concepts in the context of full-working programs rather than incomplete snips of code. This gives readers a chance to run each program as they study it and see how their learning applies to real world programming scenarios.

with Big Data and Artificial Intelligence Case Studies

C Programming

C++ how to Program

Deep Learning

The CERT C Secure Coding Standard

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Provides instructions for writing C code to create games and mobile applications using the new C11 standard.

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: 0133450732/ISBN-13: 9780133450736 . That package includes ISBN-10: 0133146146/ISBN-13: 9780133146141 and ISBN-10: 0133378713/ISBN-13: 9780133378719. MyProgrammingLab should only be purchased when required by an instructor For Introduction to Programming (CS1) and other more intermediate courses covering programming in C++. Also appropriate as a supplement for upper-level courses where the instructor uses a book as a reference for the C++ language. This best-selling comprehensive text is aimed at readers with little or no programming experience. It teaches programming by presenting the concepts in the context of full working programs and takes an early-objects approach. The authors emphasize achieving program clarity through structured and object-oriented programming, software reuse and component-oriented software construction. The Ninth Edition encourages students to connect computers to the community, using the Internet to solve problems and make a difference in our world. All content has been carefully fine-tuned in response to a team of distinguished academic and industry reviewers. MyProgrammingLab for C++ How to Program 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. And, MyProgrammingLab comes from Pearson, your partner in providing the best digital learning experience. View the Deitel Buzz online to learn more about the newest publications from the Deitels.

This textbook is an ideal introduction in college courses or self-study for learning computer programming using the C language. Written for those with minimal or no programming experience, Computer Programming in C for Beginners offers a heavily guided, hands-on approach that enables the reader to quickly start programming, and then progresses to cover the major concepts of C programming that are critical for an early stage programmer to know and understand. While the progression of topics is conventional, their treatment is innovative and

designed for rapid understanding of the many concepts in C that have traditionally proven difficult for beginners, such as variable typing and scope, function definition, passing by value, pointers, passing by reference, arrays, structures, basic memory management, dynamic memory allocation, and linked lists, as well as an introductory treatment of searching and sorting algorithms. Written in an informal but clear narrative, the book uses extensive examples throughout and provides detailed guidance on how to write the C code to achieve the objectives of the example problems. Derived from the author's many years of teaching hands-on college courses, it encourages the reader to follow along by programming the progressively more complex exercise programs presented. In some sections, errors are purposely inserted into the code to teach the reader about the common pitfalls of programming in general, and the C language in particular.

Expert C Programming

An Introduction to Professional C Programming

International Edition

Internet & World Wide Web

C

Summary: "Written for programmers with a background in high level language programming, the book applies the Deitel signature live code approach to teaching programming and explores the Java language in depth ... "

The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as:

- Ownership and borrowing, lifetimes, and traits**
- Using Rust's memory safety guarantees to build fast, safe programs**
- Testing, error handling, and effective refactoring**
- Generics, smart pointers, multithreading, trait objects, and advanced pattern matching**
- Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies**
- How best to use Rust's advanced compiler with compiler-led programming techniques**

You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

A detailed introduction to the C programming language for experienced programmers. The world runs on code written in the C programming language, yet most schools begin the curriculum with Python or Java. Effective C bridges this gap and brings C into the modern era--covering the modern C17 Standard as well as potential C2x features. With the aid of this instant classic, you'll soon be writing professional, portable, and secure C programs to power robust systems and solve real-world problems. Robert C. Seacord introduces C and the C Standard Library while addressing best practices, common

errors, and open debates in the C community. Developed together with other C Standards committee experts, Effective C will teach you how to debug, test, and analyze C programs. You'll benefit from Seacord's concise explanations of C language constructs and behaviors, and from his 40 years of coding experience. You'll learn: • How to identify and handle undefined behavior in a C program • The range and representations of integers and floating-point values • How dynamic memory allocation works and how to use nonstandard functions • How to use character encodings and types • How to perform I/O with terminals and filesystems using C Standard streams and POSIX file descriptors • How to understand the C compiler's translation phases and the role of the preprocessor • How to test, debug, and analyze C programs *Effective C will teach you how to write professional, secure, and portable C code that will stand the test of time and help strengthen the foundation of the computing world.*

Introduces the features of the C programming language, discusses data types, variables, operators, control flow, functions, pointers, arrays, and structures, and looks at the UNIX system interface

Student Value Edition

A Handbook of Agile Software Craftsmanship

C++ How to Program, Early Objects, Student Value Edition Plus Myprogramminglab with Pearson Etext -- Access Card Package

Dominicana

Practical C++ Programming

The professional programmer's Deitel® guide to procedural programming in C through 130 working code examples Written for programmers with a background in high-level language programming, this book applies the Deitel signature live-code approach to teaching the C language and the C Standard Library. The book presents the concepts in the context of fully tested programs, complete with syntax shading, code highlighting, code walkthroughs and program outputs. The book features approximately 5,000 lines of proven C code and hundreds of savvy tips that will help you build robust applications. Start with an introduction to C, then rapidly move on to more advanced topics, including building custom data structures, the Standard Library, select features of the new C11 standard such as multithreading to help you write high-performance applications for today's multicore systems, and secure C programming sections that show you how to write software that is more robust and less vulnerable. You'll enjoy the Deitels' classic treatment of procedural programming. When you're finished, you'll have everything you need to start building industrial-strength C applications. Practical, example-rich coverage of: C programming fundamentals Compiling and debugging with GNU gcc and gdb, and Visual C++® Key new C11 standard features: Type generic expressions, anonymous structures and unions, memory alignment, enhanced Unicode® support, `_Static_assert`, `quick_exit` and `at_quick_exit`, `_Noreturn` function specifier, C11 headers C11 multithreading for enhanced performance on today's multicore systems Secure C Programming sections Data structures, searching and sorting

Order of evaluation issues, preprocessor Designated initializers, compound literals, bool type, complex numbers, variable-length arrays, restricted pointers, type generic math, inline functions, and more. Visit www.deitel.com For information on Deitel's Dive Into® Series programming training courses delivered at organizations worldwide visit www.deitel.com/training or write to deitel@deitel.com Download code examples To receive updates for this book, subscribe to the free DEITEL® BUZZ ONLINE e-mail newsletter at www.deitel.com/newsletter/subscribe.html Join the Deitel social networking communities on Facebook® at facebook.com/DeitelFan , Twitter® @deitel, LinkedIn® at bit.ly/DeitelLinkedIn and Google+™ at gplus.to/Deitel

For introductory courses in C Programming. Also for courses in Programming for Engineers, Programming for Business, and Programming for Technology. The Deitels' groundbreaking How to Program series offers unparalleled breadth and depth of object-oriented programming concepts and intermediate-level topics for further study. Using the Deitels' signature Live-Code Approach, this complete, authoritative introduction to C programming offers strong treatment of structured algorithm and program development in ANSI/ISO C with 150 working C programs. Includes rich, 300-page treatment of object-oriented programming in C++ that helps students interpret the code more effectively.

Looks at the principles and clean code, includes case studies showcasing the practices of writing clean code, and contains a list of heuristics and "smells" accumulated from the process of writing clean code.

Transformational Leadership For The 21st Century

Effective C

Two Walls and a Roof

Deep C Secrets

Small C++ How to Program