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C Programming-k. N. King 2017-07-13 C++ was written to help professional C# developers learn modern C++ programming. The aim of this book is to leverage your existing C# knowledge in order to expand your skills. Whether you need to use C++ in an upcoming project, or simply want to learn a new language (or reacquaint yourself with it), this book will help you learn all of the fundamental pieces of C++ so you can begin writing your own C++ programs. This updated and expanded second edition of Book provides a user-friendly introduction to the subject. Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject. We hope you find this book useful in shaping your future career & Business.


C++ Programming-D. S. Malik 2002 C++ PROGRAMMING: FROM PROBLEM ANALYSIS TO PROGRAM DESIGN, FIFTH EDITION, is the latest edition of the definitive text for CS1 courses. Author D.S. Malik continues to employ his student-focused, example-based methodology to teach C++ programming to introductory-level students. It provides a carefully crafted approach to teaching C++ programming fundamentals.

C Programming-K. N. King 2017-07-05 C++ was written to help professional C# developers learn modern C++ programming. The aim of this book is to leverage your existing C# knowledge in order to expand your skills. Whether you need to use C++ in an upcoming project, or simply want to learn a new language (or reacquaint yourself with it), this book will help you learn all of the fundamental pieces of C++ so you can begin writing your own C++ programs. This updated and expanded second edition of Book provides a user-friendly introduction to the subject. Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject. We hope you find this book useful in shaping your future career & Business.

Pointers in C Programming-Thomas Mailund 2021-04-23 Gain a better understanding of pointers, from the basics of how pointers function at the machine level, to using them for a variety of common and advanced scenarios. This short contemporary guide book on pointers in C programming provides a resource for professionals and advanced students needing in-depth hands-on coverage of pointer basics and advanced features. It includes the latest versions of the C language, C20, C17, and C14. You'll see how pointers are used to provide vital C features, such as strings, arrays, higher-order functions and polymorphic data structures. Along the way, you'll cover how pointers can optimize a program to run faster or use less memory than it would otherwise. There are plenty of code examples in the book to emulate and adapt to meet your specific needs. What You Will Learn Work effectively with pointers in your C programming Learn how to effectively manage dynamic memory Program with strings and arrays Create recursive data structures Implement function pointers Who This Book Is For Intermediate to advanced level professional programmers, software developers, and advanced students or researchers. Prior experience with C programming is expected.

Modern C-Jens Gustedt 2019-11-26 If you think “Modern” and “C” don’t belong in the same sentence, think again. The C standards committee actively reviews and extends the language, with updated published C standards as recently as 2018. In Modern C, author Jens Gustedt teaches you the skills and features you need to write relevant programs in this tried-and-true language, including Linux and Windows, device drivers, web servers and browsers, smartphones, and much more! Modern C teaches you to take your C programming skills to new heights, whether you’re just starting out with C or have more extensive experience. Organized by level, this comprehensive guide lets you jump in where it suits you best while still reaping the maximum benefits. Purchase of the print book includes a free eBook in PDF, Kindle, and ePUB formats from Manning Publications.

Head First C-David Griffiths 2012-04-03 Learn key topics such as language basics, pointers and pointer arithmetic, dynamic memory management, multithreading, and network programming. Learn how to use the compiler, the make tool, and the archiver.

The C Programming Language-Brian W. Kernighan 1988 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.

21st Century C-Ben Klemens 2012-10-15 Throw out your old ideas of C, and relearn a programming language that’s substantially outgrown its origins. With 21st Century C, you’ll discover up-to-date techniques that are absent from other C text available. C isn’t just the foundation of modern programming languages, it is a modern language, ideal for writing efficient, state-of-the-art applications. Learn to dump old habits that made sense on mainframes, and pick up the tools you need to use this evolved and aggressively simple language. No matter what programming language you currently champion, you’ll agree that C rocks. Set up a C programming environment with shell facilities, makefiles, text editors, debuggers, and memory checkers Use Autotools, C’s de facto cross-platform package manager Learn which older C concepts should be downplayed or deprecated Explore problematic C concepts that are too useful to throw out Solve C’s string-building problems with C-standard and POSIX-standard functions Use modern syntactic features for functions that take structured inputs Build high-level object-based libraries and programs Apply existing C libraries for doing advanced math, talking to Internet servers, and running databases.

Expert C Programming-Peter Van der Linden 1994 Software – Programming Languages.

Absolute Beginner's Guide to C-Greg Perry 1994-04-08 For beginning programmers, this updated edition answers all C programming questions. This bestseller talks to readers at their level, explaining every aspect of how to get started and learn the C language quickly. Readers also find out where to learn more about C. This book includes tear-out reference card of C functions and statements, a hierarchy chart, and other valuable information.
It uses special icons, notes, clues, warnings, and rewards to make understanding easier. And the clear and friendly style presumes no programming knowledge.

Learn C the Hard Way-Zed A. Shaw 2015-08-10 You Will Learn C! Zed Shaw has crafted the perfect course for the beginning C programmer eager to advance their skills in any language. Follow it and you will learn the many skills early and junior programmers need to succeed-just like the hundreds of thousands of programmers Zed has taught to date! You bring discipline, commitment, persistence, and experience with any programming language; the author supplies everything else. In Learn C the Hard Way , you'll learn C by working through 52 brilliantly crafted exercises. Watch Zed Shaw's teaching video and read the exercise. Type his code precisely. (No copying and pasting!) Fix your mistakes. Watch the programs run. As do you, you'll learn what good, modern C programs look like; how to think more effectively about code; and how to find and fix mistakes far more efficiently. Most importantly, you'll master rigorous defensive programming techniques, so you can use any language to create software that is protected from malicious activity and defects. Through practical projects you'll apply what you learn to build confidence in your new skills. Shaw teaches the key skills you need to start writing excellent C software, including Setting up a C environment Basic syntax and idioms Compilation, make files, and linkers Operators, variables, and data types Program control Arrays and strings Functions, pointers, and structs Memory allocation I/O and files Libraries Data structures, including linked lists, sort, and search Stacks and queues Debugging, defensive coding, and automated testing Fixing stack overflows, illegal memory access, and more Breaking and hacking your own C code It'll Be Hard at First. But Soon, You'll Just Get It-And That Will Feel Great! This tutorial will reward you for every minute you put into it. Soon, you'll know one of the world's most powerful programming languages. You'll be a C programmer.

Java Programming-Kim N. King 2000 Amid the traditional CS1 course, Java Programming emphasizes object-oriented design, problem-solving, and good programming style, without overwhelming students with extraneous information.

C-George S. Tselikis 2014-02-12 Designed for a compulsory fundamental course, C: From Theory to Practice uses a hands-on approach to teach the C programming language, using numerous examples and a clear, concise presentation. Easy to use and classroom tested, this textbook includes more than 500 exercises and examples of progressive difficulty to help students understand in all the aspects and peculiarities of C. The exercises test students on various levels of programming and the examples enhance their concrete understanding of programming know-how. Divided into three parts, this book: Introduces the basic concepts of C, like getting input from a user; C's operators, selection statements, and loops. Emphasizes major features of C such as arrays, pointers, functions and strings. Covers advanced topics such as like searching and sorting arrays' algorithms, structures and unions, memory management, the preprocessor and files. The book tests the skills of beginners and advanced developers by providing an easy-to-read compilation of the C theory enriched with tips and advice as well as difficulty-scaled solved programming exercises. It decodes the secrets of the C language, providing inside information and programming knowledge through practical examples and meaningful advice. The examples are designed to be short, concrete, and substantial, quickly giving students the know-how they need.

Beginning C-Ivor Horton 2007-12-22 C is the programming language of choice when speed and reliability are required. It is used for many low-level tasks, such as device drivers and operating-system programming. For example, much of Windows and Linux is based on C programming. The updated 4th edition of Beginning C builds on the strengths of its predecessors to offer an essential guide for anyone who wants to learn C or desires a 'brush-up' in this compact, fundamental language. This classic from author, lecturer and respected academic Ivor Horton is the essential guide for anyone looking to learn the C language from the ground up.

Advanced C Programming by Example-John W. Perry 1998-01-01

Learn to Program with C-Noel Kalicharan 2015-12-16 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.

Effective C-Robert C. Seacord 2020-08-11 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 your 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.

Modern C for Absolute Beginners-Slobodan Dmirtović 2021-06-17 Learn the C programming language easily and in a straightforward way. This book teaches the basics of C, the C Standard Library, and modern C standards. No previous programming experience is required. C is a language that is as popular today as it was decades ago. C covers a wide variety of domains. It can be used to program a microcontroller, or to develop an entire operating system. This book is an effort to introduce the reader to the C programming language in a concise and easy to follow manner. The author takes you through the C programming language, the Standard Library, and the C standards. Each chapter is the right balance of theory and practical examples. After reading and using this book, you’ll have the essentials to start programming in modern C. What You Will Learn: The C programming language fundamentals The C Standard Library fundamentals New C Standards features The basics of types, operators, statements, arrays, functions, and structs The basics of pointers, memory allocation, and memory manipulation Take advantage of best practices in C Who This Book Is For Beginner or novice programmers who wish to learn the C programming language. No prior programming experience is required.

C Programming for the Absolute Beginner-Michael A. Vine 2007 Teaching the principles and techniques of programming through simple game creation, a beginner's guide to programming in C uses hands-on exercises and tutorials to help readers acquire essential skills, while covering such topics as variables, loops, pointers, arrays, conditions, and dynamic memory allocation. Original. (Beginner)

C Programming Absolute Beginner's Guide-Greg M. Perry 2013 Provides instructions for writing C code to create games and mobile applications using the new C11 standard.
A Book on C-Al Kelley 1990 The authors provide clear examples and thorough explanations of every feature in the C language. They teach C vis-a-vis the UNIX operating system. A reference and tutorial to the C programming language. Annotation copyrighted by Book News, Inc., Portland, OR

An American Marriage-Michael Burlingame 2021-06-01 An enlightening narrative exploring an oft-overlooked aspect of the sixteenth president’s life, An American Marriage reveals the tragic story of Abraham Lincoln’s marriage to Mary Todd. Mary Todd was apparently manipulative and “tricky.” Lincoln referred to her as his “blush” as an un.ExecuteNonQuery. During the Civil War, he pardoned a Union soldier who had deserted the army to return home to wed his sweetheart. As the president signed a document sparing the soldier’s life, Lincoln said: “I want to punish the young man—probably in less than a year he will wish I had withheld the pardon.” Based on thirty years of research, An American Marriage describes and analyzes why Lincoln had good reason to regret his marriage to Mary Todd. This revealing narrative shows that, as First Lady, Mary Lincoln accepted bribes and kickbacks, sold permits and pardons, engaged in extortion, and peddled influence. The reader comes to learn that Lincoln loved Mary Todd because, in all likelihood, she seduced him and then insisted that he protect her honor. Perhaps surprisingly, the 5’2” Mrs. Lincoln often physically abused her 6’4” husband, as well as her children and servants; she humiliated her husband in public; she caused him, as president, to fear that she would disgrace him publicly. Unlike her husband, she was not profoundly opposed to slavery and hardly qualifies as the “ardent abolitionist” that some historians have portrayed. While she provided a useful stimulus to his ambition, she often “crushed his spirit,” as his law partner put it. In the end, Lincoln may not have had as successful a presidency as he did—where he showed a preternatural ability to deal with difficult people—if he had not had so much practice at home.

The Holly-Julian Rubinstein 2021-05-11 An award-winning journalist’s dramatic account of a shooting that shook a community to its core, with important implications for the future On the last evening of summer in 2013, five shots rang out in a part of northeast Denver known as the Holly. Long a destination for African American families fleeing the Jim Crow South, the area had become an “invisible city” within a historically white metropolis. While shootings there weren’t uncommon, the identity of the shooter that night came as a shock. Terrance Roberts was fleeing the Jim Crow South, the area had become an “invisible city” within a historically white metropolis. While shootings there weren’t uncommon, the identity of the shooter that night came as a shock. Terrance Roberts was paralyzed and Roberts facing the possibility of life in prison. Much more than a crime story, The Holly is a multigenerational saga of race and politics that runs from the civil rights movement to Black Lives Matter. With a winning Denver-based journalist Julian Rubinstein reconstructs the events that left a local gang member a revered anti-gang activist. His attempts to bring peace to his community had won the accolades of both his neighbors and the state’s most powerful brokers. Why had he just fired a gun? In The Holly, the award-winning Denver-based journalist Julian Rubinstein reconstructs the events that left a local gang member paralyzed and Roberts facing the possibility of life in prison. Much more than a crime story, The Holly is a multigenerational saga of race and politics that runs from the civil rights movement to Black Lives Matter. With a cast that includes billionaires, elected officials, cops, developers, and street kids, the book explores the porous boundaries between a city’s elites and its most disadvantaged citizens. It also explores the fraught relationships between ice, community organizations, activists, gang members, and ex-gang members as they struggle to put their pasts behind them. In The Holly, we see how well-intentioned efforts to curb violence and improve neighborhoods can go badly awry, and we track the interactions of law enforcement with gang members who conceive of themselves as defenders of a neighborhood. When Roberts goes on trial, the city’s fault lines are fully exposed. In a time of national reckoning over race, policing, and the uses and abuses of power, Rubinstein offers a dramatic and humane illumination of what’s at stake.

The Confidence Men-Margalit Fox 2021 “Imprisoned in a remote Turkish prison camp during World War I, having survived a two-month forced march and a terrifying shootout in the desert, two British officers, Harry Jones and Cedric Hill, join forces to bamboozle their iron-fisted captors”—

Deep Learning with Python-François Chollet 2017-11-30 Summary Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Keras library. Written by Keras creator and Google AI researcher François Chollet, this book builds your understanding through intuitive explanations and practical examples. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Machine learning has made remarkable progress in recent years. We went from near-unusable speech and image recognition, to near-human accuracy. We went from machines that couldn’t beat a serious Go player, to defeating a world champion. Behind this progress is deep learning—a combination of engineering advances, best practices, and theory that enables us to build powerful models and use them for real-world tasks. Deep Learning with Python builds your understanding with concrete examples and Python code to implement the power of deep learning. Whether you’re a seasoned programmer or a newcomer to the field, this book will show you how to build and use deep learning models for computer vision, natural language processing, and many other applications. Deep Learning with Python is the perfect starting point for anyone interested in deep learning. What's Inside Deep learning from first principles Setting up your own deep-learning environment Image-classification models Deep learning for text and sequences Neural style transfer, text generation, and image generation About the Reader Readers need intermediate Python skills. No previous experience with Keras, TensorFlow, or machine learning is required. About the Author François Chollet works on deep learning at Google in Mountain View, CA. He is the creator of the Keras deep-learning library, as well as a contributor to the TensorFlow machine-learning framework. He also does deep-learning research, with a focus on computer vision and the application of machine learning to formal reasoning. His papers have been published at major conferences in the field, including the Conference on Computer Vision and Pattern Recognition (CVPR), the Conference and Workshop on Neural Information Processing Systems (NIPS), the International Conference on Learning Representations (ICLR), and others. Table of Contents PART 1 - FUNDAMENTALS OF DEEP LEARNING What is deep learning? Before we begin: the mathematical building blocks of neural networks Getting started with neural networks Fundamentals of machine learning PART 2 - DEEP LEARNING IN PRACTICE Deep learning for computer vision Deep learning for text and sequences Advanced deep-learning best practices Generative deep learning Conclusions appendix A - Installing Keras and its dependencies on Ubuntu appendix B - Running Jupyter notebooks on an EC2 GPU instance Mercury Rising: John Glenn, John Kennedy, and the New Battleground of the Cold War-Jeff Shesol 2021-06-01 One of the Washington Post’s 20 Books to Read This Summer A riveting history of the epic orbital flight that put America back into the space race. If the United States couldn’t catch up to the Soviets in space, how could it compete with them on Earth? That was the question facing John F. Kennedy at the height of the Cold War—a perilous time when the Soviet Union built the wall in Berlin, tested nuclear bombs more destructive than any in history, and beat the United States to every major milestone in space. The race to the heavens seemed a race for survival—and America was losing. On February 20, 1962, when John Glenn blasted into orbit aboard Friendship 7, his mission was not only to circle the planet; it was to calm the fears of the free world and renew America’s sense of self-belief. Mercury Rising re-creates the tension and excitement of a flight that shifted the momentum of the space race and put the United States on the path to the moon. Drawing on new archival sources, personal interviews, and previously unpublished notes by Glenn himself, Mercury Rising reveals how the astronaut’s heroic flights inspired the nation’s hopes in what Kennedy called the “hour of maximum danger.”
Journey to the Edge of Reason - Stephen Budiansky 2021-05-11 A remarkable account of Kurt Gödel, weaving together creative genius, mental illness, political corruption, and idealism in the face of the turmoil of war and upheaval. At age 24, a brilliant Austrian-born mathematician published a mathematical result that shook the world. Nearly a hundred years after Kurt Gödel's famous 1931 paper "On Formally Undecidable Propositions" appeared, his proof that every mathematical system must contain propositions that are true - yet never provable within that system - continues to pose profound questions for mathematics, philosophy, computer science, and artificial intelligence. His close friend Albert Einstein, with whom he would walk home every day from Princeton's famous Institute for Advanced Study, called him "the greatest logician since Aristotle." And he was also a man who felt profoundly out of place in his time, rejecting the entire current of 20th century philosophical thought in his belief that mathematical truths existed independent of the human mind, and beset by personal demons of anxiety and paranoid delusions that would ultimately lead to his tragic end from self-starvation. Drawing on previously unpublished letters, diaries, and medical records, Journey to the Edge of Reason offers the most complete portrait yet of the life of one of the 20th century's greatest thinkers. Stephen Budiansky's account brings to life the remarkable world of philosophical and mathematical creativity in Vienna, and documents how it was barbarically extinguished by the Nazis. He charts Gödel's own hair's-breadth escape from Nazi Germany to the scholarly idyll of Princeton; and the complex, gently humorous, sensitive, and tormented inner life of this iconic but previously enigmatic giant of modern science. Weaving together Gödel's public and private lives, this is a tale of creative genius, mental illness, political corruption, and idealism in the face of the turmoil of war and upheaval.

Sams Teach Yourself C++ in 24 Hours - Jesse Liberty 2011-04-11 Starter Kit Includes C++ compiler and IDE for Windows, Mac & Linux In just 24 lessons of one hour or less, you can learn the basics of programming with C++ - one of the most powerful and popular programming languages ever created. Using a straightforward, step-by-step approach, this fast and friendly tutorial teaches you everything you need to know, from installing and using the compiler to debugging the programs you've created, to what's coming in C++11, the next version of C++. Each lesson builds on what you've already learned, giving you a solid understanding of the basics of C++ - including programming concepts and techniques. Step-by-step instructions carefully walk you through the most common C++ programming tasks - including Quizzes and Exercises at the end of each chapter help you test yourself to make sure you're ready to go. On Starter Kit software provides everything you need to create and compile C++ programs on any platform - whether Linux, Unix, Windows, Mac, or even Linux Build object-oriented programs in C++ - Master core C++ concepts such as classes, functions, arrays, and pointers - Add rich functionality with linked lists and templates - Debug your programs along the way - Learn exception and error-handling techniques - Discover what's new in C++3/0X; the next version of C++ - Jesse Liberty is the author of numerous books on software development, including best selling titles on C++ and .NET. He is the president of Liberty Associates, Inc., where he provides custom programming, consulting, and training. Rogers Cadenhead is a web application developer who has written many books on Internet-related topics, including Teach Yourself Java in 24 Hours. He maintains this book's official website at http://cplusplus.cadenhead.org. CD-ROM Includes C++ compiler Visual development environment for Windows, Mac and Linux Source code for the book's examples Register your book at informit.com/register for convenient access to updates and corrections as they become available.

Programming C# - Jesse Liberty 2005-02-22 The programming language C# was built with the future of application development in mind. Pursuing that vision, C#'s designers succeeded in creating a safe, simple, component-based, high-performance language that works effectively with Microsoft's .NET Framework. Now, the development of desktop and Internet applications. Liberty also incorporates reader suggestions from previous editions to help create the most consumer-friendly guide possible.

C# Programming - Harry H. Chaudhary 2014-06-02 This book gives a good start and complete introduction for C# Programming for Beginner's. While reading this book it is fun and easy to read. It this book is best suitable for first time C# readers, Covers all fast track topics of C# for all Computer Science students and Professionals. This book is targeted towards those who have little or no experience with C# as a second language. The book has been structured and written with a purpose: to get you productive as quickly as possible. I've used my experiences in writing applications with C# and teaching C# to create a book that I hope cuts through the fluff and teaches you what you need to know. All too often, authors fall into the trap of focusing on the technology rather than on the practical application of the technology. I've worked hard to keep this book focused on teaching you practical skills that you can apply immediately toward a development project. This book is divided into ten Chapters, each of which focuses on a different aspect of developing applications with C#. These parts generally follow the flow of tasks you'll perform as you begin creating your own programs with C#. I recommend that you read them in the order in which they appear. Using C#, this book develops the concepts and theory of Building the Program Logic and Interfaces analysis, Exceptions, Delegates and Events and other important things in a gradual, step-by-step manner, proceeding from concrete examples to abstract principles. Standish covers a wide range of both traditional and contemporary software engineering topics. This is a handy guide of sorts for any computer science engineering Students, Thinking In C# Programming is a solution bank for various complex problems related to C# and .NET. It can be used as a reference manual by Computer Science Engineering students. This book also covers all aspects of B.TECH CS, IT, and BCA and MCA, BSC IT. Preview introduced programmers to a new era called functional programming. C# focused on bridging the gap between programming languages and databases. This book covers all the language features from the first version through C# 3. It also provides you with the essentials of using Visual Studio 2005 to let you enjoy its capabilities and save you time by using features such as IntelliSense. Learning a new programming language can be intimidating. If you’ve never programmed before, the act of typing seemingly cryptic text to produce sleek and powerful applications probably seems like a black art, and you might wonder how you’ll ever learn everything you need to know. The answer is, of course, yes - you can do it. At a first step. The first time. The step. The first time. Learning the mechanics of how a computer works is more akin to illusion: After you know how things work a lot of the mysticism goes away. freeing you to focus on the mechanics necessary to produce any given desired result. Chapter 1 (Introduction To C# AND .NET) Chapter 2 (Your First Go at C# Programming) Chapter 3 (C# Data Types) Chapter 4 (Building the Program Logic) Chapter 5 (Using Classes) Chapter 6 (Function Members) Chapter 7 (Structs, Enums, and Attributes) Chapter 8 (Interfaces) Chapter 9 (Exceptions) Chapter 10 (Delegates and Events)

40 Algorithms Every Programmer Should Know - Imran Ahmad 2020-06-12 Algorithms play an important role in both the science and practice of computing. To optimally use algorithms, a deeper understanding of their logic and mathematics is essential. Beyond traditional computing, the ability to apply these algorithms to solve real-world problems is a necessary skill, and this is what this book focuses on.

Artificial Intelligence - Stuart Russell 2016-09-10 Artificial Intelligence: A Modern Approach offers the most comprehensive, up-to-date introduction to the theory and practice of artificial intelligence. Number one in its field, this textbook is ideal for one or two-semester, undergraduate or graduate-level courses in Artificial Intelligence.

Flutter Apprentice (First Edition) - raywenderlich Tutorial Team 2020-10-20 Build for iOS & Android With Flutter/Flutter is an exciting development toolkit that lets you build apps for iOS, Android and even web and desktop, all from a single codebase. It uses a declarative approach to UI development. You can "hot reload" code while developing, and apps will perform at native speed thanks to its custom rendering engine. With Flutter and Flutter Apprentice, you can achieve the dream of building fast applications, faster. Who This Book Is For/This book is for developers who are new to Flutter, and also developers that already have some experience with building apps for the iOS and Android platforms, or web apps. Topics Covered in Flutter ApprenticeWidgets: Use Flutter
Nothing Personal - Nancy Jo Sales 2021-05-18 A raw and funny memoir about sex, dating, and relationships in the digital age, intertwined with a brilliant investigation into the challenges to love and intimacy wrought by dating apps, by firebrand New York Times-bestselling author Nancy Jo Sales At forty-nine, famed Vanity Fair writer Nancy Jo Sales was nursing a broken heart and wondering, "How did I wind up alone?" On the advice of a young friend, she downloaded Tinder, then a brand-new dating app. What followed was a raucous ride through the world of online dating. Sales, an award-winning journalist and single mom, became a leading critic of the online dating industry, reporting and writing articles and making her directorial debut with the HBO documentary Swiped: Hooking Up in the Digital Age. Meanwhile, she was dating a series of younger men, eventually falling in love with a man less than half her age. Nothing Personal is Sales's memoir of coming-of-middle-age in the midst of a new dating revolution. She is unsurprisingly honest about her own experience of addiction to dating apps and hilarious in her musings about dick pics, sexting, dating FOMO, and more. Does Big Dating really want us to find love, she asks, or just keep on using its apps? Fiercely feminist, Nothing Personal investigates how Big Dating has overwhelmed the landscape of dating, cynically profiting off its users' deepest needs and desires. Looking back through the history of modern courtship and her own relationships, Sales examines how sexism has always been a factor for women in dating, and asks what the future of courtship will bring, if left to the designs of Silicon Valley's tech giants—especially in a time of social distancing and a global pandemic, when the rules of romance are once again changing.

C++ Concurrency in Action - Anthony Williams 2019-02-07 Summary This bestseller has been updated and revised to cover all the latest changes to C++ 14 and 17! C++ Concurrency in Action, Second Edition teaches you everything you need to write robust and elegant multithreaded applications in C++17. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You choose C++ when your applications need to run fast. Well-designed concurrency makes them go even faster. C++ 17 delivers strong support for the multithreaded, multiprocessor programming required for fast graphic processing, machine learning, and other performance-sensitive tasks. This exceptional book unpacks the features, patterns, and best practices of production-grade C++ concurrency. About the Book C++ Concurrency in Action, Second Edition is the definitive guide to writing elegant multithreaded applications in C++. Updated for C++ 17, it carefully addresses every aspect of concurrent development, from starting new threads to designing fully functional multithreaded algorithms and data structures. Concurrency master Anthony Williams presents examples and practical tasks in every chapter, including insights that will delight even the most experienced developer. What's inside Full coverage of new C++ 17 features Starting and managing threads Synchronizing concurrent operations Designing concurrent code Debugging multithreaded applications About the Reader Written for intermediate C and C++ developers. No prior experience with concurrency required. About the Author Anthony Williams has been an active member of the BSI C++ Panel since 2001 and is the developer of the just::thread Pro extensions to the C++ 11 thread library. Table of Contents Hello, world of concurrency in C++! Managing threads Sharing data between threads Synchronizing concurrent operations The C++ memory model and operations on atomic types Designing lock-based concurrent data structures Designing lock-free concurrent data structures Designing concurrent code Advanced thread management Parallel algorithms Testing and debugging multithreaded applications Computational Complexity - Sanjeev Arora 2009-04-20 New and classical results in computational complexity, including interactive proofs, PCP, derandomization, and quantum computation. Ideal for graduate students.