C Primer By Stanley Lippman

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

最暢銷的程式設計教程和參考手冊

全新改寫符合C++11標準 為新發布的C++11標準完全更新並重塑，這本權威及詳盡的C++入門指南將幫助你快速學會這個語言，並以現代、高效率的方式使用它。重點提示現今最佳實務做法，作者們展示如何使用核心語言及其標準程式庫寫出有效率、容易閱讀並且強大的程式碼。《C++ Primer, 5th Edition 中文版》從一開始就融入了C++標準程式庫的介紹，取用其常見的函式與機能來幫助你在尚未精通每個語言細節之前就能寫出實用的程式。本書的眾多範例都經過更新，使用新的語言功能，並示範如何以最佳的方式運用它們。快速起步&完成更多：．學習如何使用新C++11語言功能和標準程式庫，以快速建置穩健的程式，並熟悉高階程式設計．透過範例學習，這些範例示範現今最佳的

編程風格，以及程式設計技巧

・了解「規則背後的道理」：探討為何*C++11*如此運作

・使用廣泛的交互參考，幫助你連結相關的概念和觀察 ・受益於最新的輔助說明和練習，強調關鍵重點，協助你避開常見陷阱，鼓勵良好實務做法，並強化你所習得的知識 本書是通過時間驗證的*C++*入門教程，含有核心*C++*概念和技巧的權威性討論，也是經驗豐富的程式設計師珍貴的參考資源，特別適合急於尋求*C++*增強功能介紹的讀者。 *#*碁峰資訊 *GOTOP*

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Geared to experienced C++ developers who may not be familiar with the more advanced features of the language, and therefore are not using it to its full capabilities Teaches programmers how to think in C++-that is, how to design effective solutions that maximize the power of the language The authors drill down into this notoriously

complex language, explaining poorly understood elements of the C++ feature set as well as common pitfalls to avoid Contains several in-depth case studies with working code that's been tested on Windows, Linux, and Solaris platforms Bjarne Stroustrup's own C++ In-Depth Series is now available all together in one attractive gift box, at a special reduced price! All books in this series have been hand-picked by Bjarne Stroustrup, the creator of the C++ programming language, as being worthy additions to the C++ literature. They give programmers concise, focused *guides to specific topics. The series' practical approach is designed to lift professionals to the next level in their programming skills. They are all written by acknowledged experts. The books included are: Modern C++ Design, by Andrei Alexandrescu Accelerated C++, by Andrew Koenig and Barbara Moo Essential C++, by Stan Lippman Exceptional C++, by Herb Sutter More Exceptional C++, by Herb Sutter These are five great books of use to all C++ programmers. They are gathered into one handsome and sturdy gift box, and they are specially priced at over $30 off the cost of* *buying them individually. The C++ In-Depth Box Set will be a welcome gift for any C++ programmer. 0201775816B12112002*

C++ Syntax and Fundamentals

Accelerated C++: Practical Programming By Example

Effective Modern C++

Professional C++

Python Essential Reference

&>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: 0132989921/ISBN-13: 9780132989923. That package includes ISBN-10:

013283071X/ISBN-13: 9780132830713 and ISBN-10: 0132846578/ISBN-13: 9780132846578. MyProgrammingLab should only be purchased when required by an instructor. Praised for providing an engaging balance of thoughtful examples and explanatory discussion, best-selling author Walter Savitch explains concepts and techniques in a straightforward style using understandable language and code enhanced by a suite of pedagogical tools. Absolute C++ is appropriate for both introductory and intermediate C++ programmers. This edition is

available with MyProgrammingLab, an innovative online homework and assessment tool. Through the power of practice and immediate personalized feedback, MyProgrammingLab helps students fully grasp the logic, semantics, and syntax of programming. Writing effective C# code: an example-rich primer from one of the world's leading C++ authors! Step-by-step coverage presented in the context of real code examples of the new C# techniques for building Web services and COM+ components.

A simple C++ review book and your best guide to learning

C++. This book covers the most seen topics in introductory programming courses such as conditions, loops, arrays, classes and pointers. It even touches some advanced concepts such as linked lists, stacks, exceptions, inheritance and virtual functions.There are also a lot of practice problems that will allow you to sharpen your skills in C++ programming. The practice topics include logic, looping, functions, output tracing, recursion, classes and inheritance.There is also a section of programming challenges ranging from prime numbers to numerical

patterns to a US telephone keypad. All problems can be solved in C++.Please visit www.cstutoringcenter.com/problems for more challenges in C++. Also, visit www.cstutoringcenter.com/books to read more information about this book.

Learn how to program using the updated C++17 language. You'll start with the basics and progress through step-by-step examples to become a working C++ programmer. All you need are Beginning C++17 and any recent C++ compiler and you'll soon be writing real C++ programs. There is no assumption of prior programming knowledge. All language concepts that are explained in the book are illustrated with working program examples, and all chapters include exercises for you to test and practice your knowledge. Code downloads are provided for all examples from the text and solutions to the exercises. This latest edition has been fully updated to the latest version of the language, C++17, and to all conventions and best practices of so-called modern C++. Beginning C++17 also introduces the elements of the C++ Standard Library that provide essential support for the C++17 language. What You'll Learn

Define variables and make decisions Work with arrays and loops, pointers and references, strings, and more Write your own functions, types, and operators Discover the essentials of object-oriented programming Use overloading, inheritance, virtual functions and polymorphism Write generic function templates and class templates Get up to date with modern C++ features: auto type declarations, move semantics, lambda expressions, and more Examine the new additions to C++17 Who This Book Is For Programmers new to C++ and those who may be looking for

a refresh primer on the C++17 programming language in general.

Ruminations on C++

C# Primer

A C-plus-plus-primer

C++ FAQs

C Primer Plus

Offers information on using the C++ programming languge using the new C++11 standard, covering such topics as concurrency, facilities, standard libraries, and design techniques. Beginning with the first steps in C++ programming, this guide discusses language constructs, object-oriented techniques, application writing, and syntax, with examples and exercises Bestselling Programming Tutorial and Reference Completely

Rewritten for the New C++11 Standard Fully updated and recast for the newly released C++11 standard, this authoritative and comprehensive introduction to C++ will help you to learn the language fast, and to use it in modern, highly effective ways. Highlighting today's best practices, the authors show how to use both the core language and its standard library to write efficient, readable, and powerful code. C++ Primer, Fifth Edition, introduces the C++ standard library from the outset, drawing on its common functions and facilities to help you write useful programs without first having to master every language detail. The book's many examples have been revised to use the new language features and demonstrate how to make the best use of them. This book is a proven tutorial for those new to C++, an authoritative discussion of core C++ concepts and techniques, and a valuable resource for experienced programmers, especially those eager to see C++11 enhancements illuminated. Start Fast and Achieve More Learn how to use the new C++11 language features and the standard library to build robust programs quickly, and get comfortable with high-level programming Learn through examples that illuminate today's best coding styles and program design techniques Understand the "rationale behind the rules": why C++11 works as it does Use the extensive crossreferences to help you connect related concepts and insights Benefit from up-to-date learning aids and exercises that emphasize key points, help you to avoid pitfalls, promote good practices, and reinforce what you've learned Access the source code for the extended examples from informit.com/title/0321714113 C++ Primer, Fifth Edition, features an enhanced, layflat binding, which allows the book to stay open more easily when placed on a flat surface. This special binding method--notable by a small space inside the spine--also increases durability.

If you are new to C++ programming, C++ Primer Plus, Fifth Edition is a friendly and easy-to-use self-study guide. You will cover the latest and most useful language enhancements, the Standard Template Library and ways to streamline object-oriented programming with C++. This guide also illustrates how to handle input and output, make programs perform repetitive tasks, manipulate data, hide information, use functions and build flexible, easily modifiable programs. With the help of this book, you will: Learn C++ programming from the ground up. Learn through real-world, hands-on examples. Experiment with concepts, including classes, inheritance, templates and exceptions. Reinforce knowledge gained through end-of-chapter review questions and practice programming exercises. C++ Primer Plus, Fifth Edition makes learning and using important object-oriented programming concepts understandable. Choose this classic to learn the fundamentals and more of C++ programming.

Programming and Problem Solving with C++

More Exceptional C++

C++ In

C++ Primer Plus

C++ Crash Course

Python Essential Reference is the definitive reference guide to the Python programming language — the one authoritative handbook that reliably untangles and explains both the core Python language and the most essential parts of the Python library. Designed for the professional programmer, the book is concise, to the point, and highly accessible. It also includes detailed information on the Python library and many advanced subjects that is not available in either the official Python documentation or any other single reference source. Thoroughly updated to reflect the significant new programming language features and library modules that have been introduced in Python 2.6 and Python 3, the fourth edition of Python Essential Reference is the definitive guide for programmers who need to modernize existing Python code or who are planning an eventual migration to Python 3. Programmers starting a new Python project will find detailed coverage of contemporary Python programming idioms. This fourth edition of Python Essential Reference features numerous improvements, additions, and updates: Coverage of new language features, libraries, and modules Practical coverage of Python's more advanced features including generators, coroutines, closures, metaclasses, and decorators Expanded coverage of library modules related to concurrent programming including threads, subprocesses, and the new multiprocessing module Up-to-the-minute coverage of how to use Python 2.6’s forward compatibility mode to evaluate code for Python 3 compatibility Improved organization for even faster answers and better usability Updates to reflect modern Python programming style and idioms Updated and improved example code Deep coverage of low-level system and networking library modules — including options not covered in the standard documentation Bestselling Programming Tutorial and Reference Completely Rewritten for the

New C++11 Standard Fully updated and recast for the newly released C++11 standard, this authoritative and comprehensive introduction to C++ will help you to learn the language fast, and to use it in modern, highly effective ways. Highlighting today's best practices, the authors show how to use both the core language and its standard library to write efficient, readable, and powerful code. C++ Primer, Fifth Edition, introduces the C++ standard library from the outset, drawing on its common functions and facilities to help you write useful programs without first having to master every language detail. The book's many examples have been revised to use the new language features and demonstrate how to make the best use of them. This book is a proven tutorial for those new to C++, an authoritative discussion of core C++ concepts and techniques, and a valuable resource for experienced programmers, especially those eager to see C++11 enhancements illuminated. Start Fast and Achieve More Learn how to use the new C++11 language features and the standard library to build robust programs quickly, and get comfortable with high-level programming Learn through examples that illuminate today's best coding styles and program design techniques Understand the “rationale behind the rules”: why C++11 works as it does Use the extensive crossreferences to help you connect related concepts and insights Benefit from up-to-date learning aids and exercises that emphasize key points, help you to avoid pitfalls, promote good practices, and reinforce what you’ve learned Access the source code for the extended examples from informit.com/title/0321714113 C++ Primer, Fifth Edition, features an enhanced, layflat binding, which allows the book to stay open more easily when placed on a flat surface. This special binding method—notable by a small space inside the spine—also increases durability.

A best-seller completely revised and rewritten to conform to today's C++ usage.

C++ is a complex language with many subtle facets. This is especially true when it comes to object-oriented and template programming. The C++ Pocket Reference is a memory aid for C++ programmers, enabling them to quickly look up usage and syntax for unfamiliar and infrequently used aspects of the language. The book's small size makes it easy to carry about, ensuring that it will always be at-hand when needed.

Programmers will also appreciate the book's brevity; as much information as possible has been crammed into its small pages.In the C++ Pocket Reference, you will find: Information on C++ types and type conversions Syntax for C++ statements and preprocessor directives Help declaring and defining classes, and managing inheritance Information on declarations, storage classes, arrays, pointers, strings, and expressions Refreshers on key concepts of C++ such as namespaces and scope More! C++ Pocket Reference is useful to Java and C programmers making the transition to C++, or who find themselves occasionally programming in C++. The three languages are often confusingly similar. This book enables programmers familiar with C or Java to quickly come up to speed on how a particular construct or concept is implemented in C++.Together with its companion STL Pocket Reference, the C++ Pocket Reference forms one of the most concise, easily-carried, quick-references to the C++ language available.

A Decade of Programming Insight and Experience
Practical C++ Programming
55 Specific Ways to Improve Your Programs and Designs

C Programming Absolute Beginner's Guide

Essential C++

Coming to grips with C++11 and C++14 is more than a matter of familiarizing yourself with the features they introduce (e.g., auto type declarations, move semantics, lambda expressions, and concurrency support). The challenge is learning to use those features effectively—so that your software is correct, efficient, maintainable, and portable. That’s where this practical book comes in. It describes how to write truly great software using C++11 and C++14—i.e. using modern C++. Topics include: The pros and cons of braced initialization, noexcept specifications, perfect forwarding, and smart pointer make functions The relationships among std::move, std::forward, rvalue references, and universal references Techniques for writing clear, correct, effective lambda expressions How std::atomic differs from volatile, how each should be used, and how they relate to C++'s concurrency API How best practices in "old" C++ programming (i.e., C++98) require revision for software development in modern C++ Effective Modern C++ follows the proven guideline-based, example-driven format of Scott Meyers' earlier books, but

covers entirely new material. "After I learned the C++ basics, I then learned how to use C++ in production code from Meyer's series of Effective C++ books. Effective Modern C++ is the most important how-to book for advice on key guidelines, styles, and idioms to use modern C++ effectively and well. Don't own it yet? Buy this one. Now". -- Herb Sutter, Chair of ISO C++ Standards Committee and C++ Software Architect at Microsoft
A completely rewritten tutorial driven by examples helps the novice C++++ programmer solve problems in terms of choice of language features, implementation, and

efficiency. Original. (Advanced).
C++ PrimerAddison-Wesley
Finally, a great introduction to ANCI C++ for working programmers! Lippmann--who worked under the leadership of Bjarne Stroustrup, wrote the classic "C++ Primer", and now works as a C++ programmer at DreamWorks--teaches programmers exactly what they need to know to get immediate results. From start to finish, each concept and technique is presented through real programs designed to solve the problems C++ programmers are most likely to encounter.
Effective C++

C++ Pocket Reference
Inside the C++ Object Model
The C++ Programming Language
A Tour of C++

Scott Meyers’s seminal C++ books– Effective C++ , More Effective C++ , and Effective STL –have been immensely helpful to hundreds of thousands of C++ programmers. All three are finally available together in this eBook collection. Effective C++ has been embraced by hundreds of thousands of programmers worldwide. The reason is clear: Scott Meyers’s practical approach to C++ describes the rules of thumb used by the experts to

produce clear, correct, efficient code. The book is organized around 55 specific guidelines, each of which describes a way to write better C++. Each is backed by concrete examples. In More Effective C++, Meyers presents 35 ways to improve your programs and designs. Drawing on years of experience, Meyers explains how to write software that is more effective: more efficient, more robust, more consistent, more portable, and more reusable. In short, how to write C++ software that's just plain better. In Effective STL, Meyers goes beyond

describing what's in the STL to show you how to use it. Each of the book’s 50 guidelines is backed by Meyers’s legendary analysis and incisive examples, so you’ll learn not only what to do, but also when to do it–and why. Together in this collection, these books include the following important features: Expert guidance on the design of effective classes, functions, templates, and inheritance hierarchies. Applications of new “TR1” standard library functionality, along with comparisons to existing standard library components. Insights into differences

between C++ and other languages (e.g., Java, C#, C) that help developers from those languages assimilate “the C++ way” of doing things. Proven methods for improving program efficiency, including incisive examinations of the time/space costs of C++ language features Comprehensive descriptions of advanced techniques used by C++ experts, including placement new, virtual constructors, smart pointers, reference counting, proxy classes, and double-dispatching Examples of the profound impact of exception

handling on the structure and behavior of C++ classes and functions Practical treatments of new language features, including bool, mutable, explicit, namespaces, member templates, the Standard Template Library, and more. If your compilers don’t yet support these features, Meyers shows you how to get the job done without them. Advice on choosing among standard STL containers (like vector and list), nonstandard STL containers (like hash_set and hash_map), and non-STL containers (like bitset). Techniques to maximize the efficiency of the STL and the

programs that use it. Insights into the behavior of iterators, function objects, and allocators, including things you should not do. Guidance for the proper use of algorithms and member functions whose names are the same (e.g., find), but whose actions differ in subtle (but important) ways. Discussions of potential portability problems, including straightforward ways to avoid them.

The C++11 standard allows programmers to express ideas more clearly, simply, and directly, and to write faster, more efficient code. Bjarne

Stroustrup, the designer and original implementer of C++, thoroughly covers the details of this language and its use in his definitive reference, The C++ Programming Language, Fourth Edition. In A Tour of C++ , Stroustrup excerpts the overview chapters from that complete reference, expanding and enhancing them to give an experienced programmer–in just a few hours–a clear idea of what constitutes modern C++. In this concise, self-contained guide, Stroustrup covers most major language features and the major standard-library components–not, of course, in great depth, but to a level that

gives programmers a meaningful overview of the language, some key examples, and practical help in getting started. Stroustrup presents the C++ features in the context of the programming styles they support, such as object-oriented and generic programming. His tour is remarkably comprehensive. Coverage begins with the basics, then ranges widely through more advanced topics, including many that are new in C++11, such as move semantics, uniform initialization, lambda expressions, improved containers, random numbers,

and concurrency. The tour ends with a discussion of the design and evolution of C++ and the extensions added for C++11. This guide does not aim to teach you how to program (see Stroustrup's Programming: Principles and Practice Using C++ for that); nor will it be the only resource you'll need for C++ mastery (see Stroustrup's The C++ Programming Language, Fourth Edition, for that). If, however, you are a C or C++ programmer wanting greater familiarity with the current C++ language, or a programmer versed in another language wishing to gain an

accurate picture of the nature and benefits of modern C++, you can’t find a shorter or simpler introduction than this tour provides.

Presents the pinnacle of writing on C++ by renowned experts in the field, and is a must-read for today's C++ programmer.

Systems programming provides the foundation for the world's computation. Writing performance-sensitive code requires a programming language that puts programmers in control of how memory, processor time, and other system resources are used. The Rust systems

programming language combines that control with a modern type system that catches broad classes of common mistakes, from memory management errors to data races between threads. With this practical guide, experienced systems programmers will learn how to successfully bridge the gap between performance and safety using Rust. Jim Blandy, Jason Orendorff, and Leonora Tindall demonstrate how Rust's features put programmers in control over memory consumption and processor use by combining predictable performance with

memory safety and trustworthy concurrency. You'll learn: Rust's fundamental data types and the core concepts of ownership and borrowing How to write flexible, efficient code with traits and generics How to write fast, multithreaded code without data races Rust's key power tools: closures, iterators, and asynchronous programming Collections, strings and text, input and output, macros, unsafe code, and foreign function interfaces This revised, updated edition covers the Rust 2021 Edition.

Absolute C++

Reviewing C++

C++ Primer
C++ Primer Answer Book
A Fast-Paced Introduction

In a concise and direct question-and-answer format, C++ FAQs, Second Edition brings you the most efficient solutions to more than four hundred of the practical programming challenges you face every day. Moderators of the on-line C++ FAQ at comp.lang.c++, Marshall Cline, Greg Lomow, and Mike Girou are familiar with C++ programmers' most pressing concerns. In this book, the authors concentrate on those issues most critical to the professional programmer's work, and they present more explanatory material and examples than is possible on-line. This book focuses on the effective *use of C++, helping programmers avoid combining seemingly legal C++ constructs in incompatible ways. This second edition is completely up-to-date with the final ANSI/ISO C++ Standard. It covers some of the smaller syntax changes, such as "mutable"; more significant changes, such as RTTI and namespaces; and such major innovations as the C++ Standard Library, including the STL. In addition, this book discusses technologies such as Java, CORBA, COM/COM+, and ActiveX—and the relationship all of these have with C++. These new features and technologies are iconed to help you quickly find what is new and different in this edition. Each question-and-*

answer section contains an overview of the problem and solution, fuller explanations of concepts, directions for proper use of language features, guidelines for best practices and practices to avoid, and plenty of working, stand-alone examples. This edition is thoroughly cross-referenced and indexed for quick access. Get a value-added service! Try out all the examples from this book at www.codesaw.com. CodeSaw is a free online learning tool that allows you to experiment with live code from your book right in your browser.

C++ Primer Plus is an approachable yet technically rigorous guide to C++ for programmers new to the *language. This new edition updates it with the most important features added to the C++11 standard, while keeping the style and approach which have made the previous editions so popular. It contains extensive new code samples and exercises, for both classroom use and self-study.*

When programmers list their favorite books, Jon Bentley's collection of programming pearls is commonly included among the classics. Just as natural pearls grow from grains of sand that irritate oysters, programming pearls have grown from real problems that have irritated real programmers. With origins beyond solid engineering, in the realm of insight and creativity, *Bentley’s pearls offer unique and clever solutions to those nagging problems. Illustrated by programs designed as much for fun as for instruction, the book is filled with lucid and witty descriptions of practical programming techniques and fundamental design principles. It is not at all surprising that Programming Pearls has been so highly valued by programmers at every level of experience. In this revision, the first in 14 years, Bentley has substantially updated his essays to reflect current programming methods and environments. In addition, there are three new essays on testing, debugging, and timing set representations string problems All the original programs have been rewritten,* *and an equal amount of new code has been generated. Implementations of all the programs, in C or C++, are now available on the Web. What remains the same in this new edition is Bentley's focus on the hard core of programming problems and his delivery of workable solutions to those problems. Whether you are new to Bentley's classic or are revisiting his work for some fresh insight, the book is sure to make your own list of favorites.*

The authors begin by explaining why C++ is worth learning and then move on to the most important elements of C++. This book emphasizes understanding and practical use of the language. It explores the basics, covers *inheritance and object-oriented programming, discusses templates and the powerful kind of abstraction they provide, and shows how to design and use libraries.*

Jumping Into C++

Programming Rust

42 Specific Ways to Improve Your Use of C++11 and C++14

A Practical Approach

140 Ways to Improve Your Programming

The new classic! C Primer Plus, now in its 5th edition, has been revised to include over 20 new programming exercises, newly improved examples and the new ANSI/ISO standard, C99. Task-oriented examples will teach you the fundamentals of C programming. From extended integer types and compound literals to Boolean support and variable-length arrays, you will learn to create practical and real-world applications with C programming. Review questions and programming exercises at the end of each chapter will reinforce what you have learned. This friendly and easy-to-use self-study guide will help you understand the fundamentals of this core programming language. "Jumping into C++ covers every step of the programming process, including : * getting the tools you need to program and how to use them * basic language features like variables, loops and functions * how to go from an idea to code * a clear, understandable explanation of pointers * strings, file IO, arrays, references * classes, object oriented programming, and advanced class design * data structures and the standard template library (STL). Key concepts are reinforced with quizzes and over 75 practice problems. You'll also get over 70 sample source code files to use or adapt. [...]" (extrait du résumé de quatrième de couverture). There is a lot of misinformation and myth about the overhead and costs associated with C++. Now Stan Lippman, the acclaimed author of the C++ Primer, answers the call for a book that gives strategy guidelines for C++ programming. Inside the C++ Object Model explains where overhead costs reside and what they actually consist of. The author explains which parts vary by implementation and which are invariant. He tells how the various implementation models arose, points out areas where they are likely to evolve, and explains why they are what they are. This book is a must for C++ programmers who want to understand the semantic implications of the C++ object model and how the model affects their programs.

“Every C++ professional needs a copy of Effective C++. It is an absolute must-read for anyone thinking of doing serious C++ development. If you’ve never read Effective C++ and you think you know everything about C++, think again.” — Steve Schirripa, Software Engineer, Google “C++ and the C++ community have grown up in the last fifteen years, and the third edition of Effective C++ reflects this. The clear and precise style of the book is evidence of Scott’s deep insight and distinctive ability to impart knowledge." — Gerhard Kreuzer, Research and Development Engineer, Siemens AG The first two editions of Effective C++ were embraced by hundreds of thousands of programmers worldwide. The reason is clear: Scott Meyers' practical approach to C++ describes the rules of thumb used by the experts — the things they almost always do or almost always avoid doing — to produce clear, correct, efficient code. The book is organized around 55 specific guidelines, each of which describes a way to write better C++. Each is backed by concrete examples. For this third edition, more than half the content is new, including added chapters on managing resources and using templates. Topics from the second edition have been extensively revised to reflect modern design considerations, including exceptions, design patterns, and multithreading. Important features of Effective C++ include: Expert guidance on the design of effective classes, functions, templates, and inheritance hierarchies. Applications of new “TR1” standard library functionality, along with comparisons to existing standard library components. Insights into differences between C++ and other languages (e.g., Java, C#, C) that help developers from those languages assimilate “the C++ way” of doing things.

Effective C++ Digital Collection

40 New Engineering Puzzles, Programming Problems, and Solutions

C++ Gems

From Novice to Professional

Programming Pearls

A fast-paced, thorough introduction to modern C++ written for experienced programmers. After reading C++ Crash Course, you'll be proficient in the core language concepts, the C++ Standard Library, and the Boost Libraries. C++ is one of the most widely used languages for real-world software. In the hands of a knowledgeable programmer, C++ can produce small, efficient, and readable code that any programmer would be proud of. Designed for intermediate to advanced programmers, C++ Crash Course cuts through the weeds to get you straight to the core of C++17, the most modern revision of the ISO standard. Part 1 covers the core of the C++ language, where you'll learn about everything from types and functions, to the object life cycle and expressions. Part 2 introduces you to the C++ Standard Library and Boost Libraries, where you'll learn about all of the high-quality, fully-featured facilities available to you. You'll cover special utility classes, data structures, and algorithms, and learn how to manipulate file systems and build high-performance programs that communicate over networks. You'll learn all the major features of modern C++, including: • Fundamental types, reference types, and user-defined types • The object lifecycle including storage duration, memory management, exceptions, call stacks, and the RAII paradigm • Compile-time polymorphism with templates and run-time polymorphism with virtual classes • Advanced expressions, statements, and functions • Smart pointers, data structures, dates and times, numerics, and probability/statistics facilities • Containers, iterators, strings, and algorithms • Streams and files, concurrency, networking, and application development With well over 500 code samples and nearly

100 exercises, C++ Crash Course is sure to help you build a strong C++ foundation.

C++ programmers who use the "Answer Book" in conjunction with the "C++ Primer, 3rd Ed" will better understand the concepts of C++ by working through the exercises and gain new perspectives through these solutions.

More Exceptional C++ continues where Herb Sutter's best-selling Exceptional C++ left off, delivering 40 puzzles that illuminate the most challenging -- and most powerful -- aspects of C++. More Exceptional C++ offers many new puzzles focused on generic programming and the C++ Standard Template Library, including important techniques such as traits and predicates, as well as key considerations in using standard containers and algorithms -- many of them never covered elsewhere. More Exceptional C++ contains a detailed new section (and two appendices) on optimization in single- and multithreaded environments. It also provides important new insights on crucial topics first introduced in Exceptional C++, including exception safety, generic programming, and memory management. For all C++ programmers.

Practical C++ Programming thoroughly covers: C++ syntax · Coding standards and style · Creation and use of object classes · Templates · Debugging and optimization · Use of the C++ preprocessor · File input/output.

C++ Primer, Fifth Edition

Beginning C++17

IVOR HORTON'S,
C Plus Plus Primer