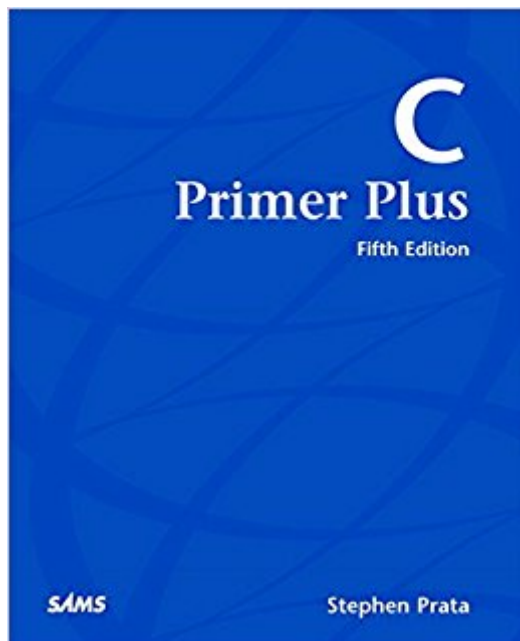The book was found

C Primer Plus (5th Edition)

Synopsis

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.

Book Information

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Customer Reviews

Stephen Prata teaches astronomy, physics, and programming at the College of Marin in Kentfield, California. He received his B.S. from the California Institute of Technology and his Ph.D. from the University of California, Berkeley. His association with computers began with the computer modeling of star clusters. Stephen has authored or coauthored over a dozen books, including C++ Primer Plus and Unix Primer Plus.

C Primer Plus   C Primer Plus Preface C was a relatively little-known language when the first edition of C Primer Plus was written in 1984. Since then, the language has boomed, and many people have learned C with the help of this book. In fact, over 500,000 people have purchased C Primer Plus

throughout its various editions. As the language has grown from the early informal K&R standard through the 1990 ISO/ANSI standard to the 1999 ISO/ANSI standard, so has this book matured through this, the fifth edition. As with all the editions, my aim has been to create an introduction to C that is instructive, clear, and helpful. Approach and Goals My goal is for this book to serve as a friendly, easy-to-use, self-study guide. To accomplish that objective, C Primer Plus employs the following strategies: Programming concepts are explained, along with details of the C language; the book does not assume that you are a professional programmer.   Many short, easily typed examples illustrate just one or two concepts at a time, because learning by doing is one of the most effective ways to master new information.   Figures and illustrations clarify concepts that are difficult to grasp in words alone.   Highlight boxes summarize the main features of C for easy reference and review.   Review questions and programming exercises at the end of each chapter allow you to test and improve your understanding of C.   To gain the greatest benefit, you should take as active a role as possible in studying the topics in this book. Don't just read the examples, enter them into your system, and try them. C is a very portable language, but you may find differences between how a program works on your system and how it works on ours. Experiment—change part of a program to see what the effect is. Modify a program to do something slightly different. Ignore the occasional warnings and see what happens when you do the wrong thing. Try the questions and exercises. The more you do yourself, the more you will learn and remember. I hope that you'll find this newest edition an enjoyable and effective introduction to the C language. Â© Copyright Pearson Education. All rights reserved.

I've heard a lot of good things about Prata's C books and the book lives up to the hype. I come from a Matlab/Perl/Python background and wanted to add C++ to my repertoire to help with Arduino programming and speed up code written in other languages. Although I'm familiar with programming, I've had little experience of C and C++ prior to this book. I'm currently beginning Chapter 7 of 18.Prata's writing is clear and concise without being dry. He sprinkles puns as he goes, which is rather nice. The information is laid out in a logical fashion. He goes into a good deal of detail and so you have a feeling for why things work in addition to knowing how things work. There's a lot to take in and important information presented more than once. Many things (e.g. file IO) are introduced early on with minimal detail but expanded in later chapters. This approach keeps the text flowing and helps you remember what you've learned. The example code and explanations of it are good.Some things could do with more explanation. For example, if you've been programming in a language that doesn't use pointers then it may not be obvious why they are necessary. In instances

such as these it would be nice to have a paragraph or two catering to readers who come from a higher-level language.My main criticism of the book (and why it doesn't get 5 stars) is that the chapters are somewhat long and questions to test comprehension are only at the end. For instance, chapter 4 deals with strings, unions, enumerations, structures, and pointers. That's a lot of stuff. However, most of the programming questions at the end deal with strings and structures. Not enough questions on pointers. With shorter chapters there could be more chapter review questions. This would help the reader to understand and remember the material.Another issue is that there are no solutions or hints to the programming exercises (there are answers to the review questions). If you get stuck or feel that your answer isn't elegant then you have to spend a while Googling for possibilities. It would be great to have hints or even answers at the end of the book.The book itself is rather hefty (almost 1,400 pages) so the paper is a little thin and delicate. I suppose that's ok since thicker paper would have mean an even heavier book. The typefaces are clear but on my copy some pages look a little washed out (the ink is more gray than black). The kerning is distracting in places because some characters (e.g. "A") and up too close to the periods at the end of sentences. The binding seems reasonable.

So here I am, newly enrolled in graduate school (MS in Computer Science) after a long long gap in my education (BA in psychology 1995!). And here I am taking a class on C++ focusing on using the language for solving problems and analyzing data. And I don't even know the basics yet. What's a girl to do? PICK UP THIS BOOK. Every chapter is packed with easy-to-understand, in depth explanations of essential as well as advanced concepts. I've also another C++ book (required by the professor) that just pales in comparison and so I've taken to reading the applicable chapter from THIS book before reading the assigned chapter in our assigned textbook. I find that lets me go into the classroom assigned reading with a clear understanding of the material and lets me view the assigned textbook as an "extra" information source. Without this book though I'd be totally lost. I have a lot (probably 100+) IT books in my library and this is hands-down the most well written of any of them. Absolutely love it. My roommate is also a computer geek and after borrowing my book a few times he was so impressed with it that he too ordered his own copy from .

I've gone through about half of it, so far, & it seems very thorough. The only complaint i have is the scripts are hard to follow, because of the way Kindle has it formatted, ie one line of script does not all fall on one line of text, so you have to really look at it to figure out where one line starts and ends.

This book provides excellent and very detailed coverage of the C language. It's a long book with a small font, but if you really want to learn C well, reading this book will form a strong foundation. There's occasional wasted text on the quirks of some ancient compiler for an ancient system that seems like it was just carried over from older releases of the book, but otherwise I don't have any big complaints. It's a dense, very slow read, but highly recommended.

I'll start by saying I date back to mainframes and Fortran days and my background is in circuit design, assembler and much later in Pascal. I had always balked at 'C' and now in retirement++, I wanted to make a go of some minor projects for which I had to learn 'C++'. I looked carefully at the reviews before going with this book. It is amazingly straightfoward and even for an "oldie", I can follow and work through it quite easily although I am only in the earlier chapters so far. The listings, tips and exercises are good. It's indexing indicates that it will be a good reference manual as well as a teaching book (it's primary aim). It is thorough to the point that I think it would cover all that budding programmers would need. I consider that Stephen Prata is a gifed writer and he can view his work from the perspective of the learner unlike some nerdy tomes I've encountered.I have the sixth edition, third printing July 2012 and I think much of the earlier errata etc mentioned by earlier reviewers has been cleaned up.

C++ didn't make sense to me until this book. This is a massive tomb, with wonderful, thorough explanations presented in a very intuitive order. Many programming books try to explain the nuances of every topic right as they come up and quickly get bogged down in factually correct, but completely irrelevant details. The big seller for me was that every chapter has both review questions and good programming exercises for testing out all the ideas presented in the chapter. I tried The C++ Programming Language (3rd Edition) by Bjarne Stroustrup and quickly got bored and frustrated. This book however, had me reading every page, example, and caveat while it had me working on exercises in my spare time. Coming from a Perl and Python background made me intimidated by a low-level language, but now I appreciate the control I have over my programs (and of course the performance boost). This book also emphasizes best practices and has a good overview of C++11.

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