C++ Primer Plus

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Covers the 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.

C++ Primer Plus Details

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From Reader Review C++ Primer Plus for online ebook

David Pretola says

C++ Primer Plus is a good introduction to C++. However, it suffers from being too long for an introductory book. It could have been about 50% shorter.

David says

I'm going to try to keep my impressions of C++ separate from my impressions of this book. C++ has challenged me in a serious way, and while I admire its power and depth, often it's a bit much. Conceiving of a coherent way to introduce the many main topics and rabbit holes of the language poses a serious challenge.

Prata does his best to acknowledge everything the language offers as he guides the reader through C++. Features that could be brushed over on first pass often lead to a digression before an eventual return. This frustrates me as a reader, but it also makes me recognize that Prata does not wish to neglect aspects of the language by providing a dumbed down explanation that will fail to pass muster when the reader learns more. It's not the best way to do a book for beginners, though. There are many other books recommended for beginners here.

That being said, I benefited greatly from this book. Its depth made looking up simple question cumbersome at times. I picked up this for that purpose. That depth did have benefits though -- I'm already familiar with many of the topics that will be covered in my next C++ class having read this. If you're self-studying, or looking for an intro to the language, there have got to be some better options out there.

Prashant Singh says

- Very interesting and engaging book . I like it :) .
- I already know C programming before reading this .Nice and simple explanation of UNION construct.
- The author tells in which scenario we can use unions such as in the processor used to control oven or MP3 player where space is very limited :) .
- Inheritance and Polymorphism concept is explained VERY NICELY in the book "SCJP by Kathy Sierra" in java. I recommend reading that book first and then this.

Anton Petkov says

This was my first ever programming book. I think that this book is a very good introduction to programming for people who are even total beginners. Also, many of the concepts presented in this book can be carried over to other programming languages, so you won't end up just knowing some C++, but you will also be prepared for a very easy transition to other typed languages like Java for example. (My transition to Java was almost seamless after reading this book.)

I chose C++ as my first programming language and this book gave almost all the fundamental knowledge and skills to start programming. I learned Object Oriented Programming concepts first here and my perception of the paradigm and its mechanisms haven't changed a lot.

I was reading the book back in 2013 (11th grade) and I learned C++11 features from it. In University I topped my introductory programming courses thanks to this book. The exercises are very useful, so do them and save your code, because it can be helpful if you will study C++ in University like I did.

I would definitely try out other books from this "Developer's Library" series.

Thes says

První a zatím jediná knížka, kterou mi kdy Glurak dal k p?e?tení. A já ji ješt? nedo?etla.
Autor velmi dob?e a srozumiteln? vysv?tluje, v podstat? i tém?? za?áte?ník s trochou nadšení a p?edstavivosti pochopí cokoli bude pot?ebovat.
Ve zkratce: Pokud se chcete u?it cé?ko z knížky, doporu?uji tuto.

abdalrhmun algabban says

it so nice book , Interesting and And confusing, but in some cases

Anton Simakov says

A friend of mine asked me about a good book on C++ programming for an absolute beginner, i.e. for a person without any programming experience. At first I told him to choose a different programming language to start from, but he was reluctant to this idea, so I decided to quickly skim over few books on C++ programming for beginners to find one which would do more good than harm. So far I read only one book on C++ that counts as a book for beginners, namely C++: How to Program by Harvey M. Deitel and Paul J. Deitel, and overall I think Deitel's book is a good one. Or at least it was a good one, since I read at almost 10 years ago, so new editions might be worse.

Anyway, I decided to give few other books a try, and the first one on the list was "C++ Primer Plus" by Stephen Prata. And after reading first 200 pages and skimming over the remainder of it I'm quite disappointed. The main issue of this book is that it teaches you C++ through C, i.e. the author first shows how something can be done in C-way and only then explain the analogous C++ way of doing things. For instance, the reader is first introduced to C-style strings and arrays with all their idiosyncrasies in details and only then and rather quickly to C++ standard classes std::string and std::vector that solve most of these idiosyncrasies. This archaic way of teaching C++ is simply inappropriate in 21st century when C++ finally won its freedom from its C heritage.

Another issue is the inability of the author to concentrate on really important things without throwing an information of minor importance. Often it looks like the only reason for discussing some topic is that the author just knows about it. The author seems to care so little about is the topic actually necessary and suitable for a particular chapter, that sometimes I'm even a bit suspicious does he have any plan.

Akash Goel says

A lot of useful information packed in each chapter. Problem is, it is a pain to spot the useful and uncommon rules. For a beginner, it would be great. But for a person with a bit more understanding of the language, the book just isn't friendly enough. The author should highlight all the relevant rules, so that one doesn't have to dig through all that text.

S says

I used this book as a reference when studying up for a technical interview, and it's by far the most common-sense guide to C++ that I own, and I have a LOT of C/C++ books. The author explains things really well, and there are clear examples throughout the book.

Dev Vrat says

If someone is just beginning to learn c++ and wants to follow "know how" approach then this IS the book for you. This book will tell you everything and hardly miss out any point and it's enormous size is its proof. Despite covering everything, this book throws topics very gently and in well organized fashion.

I've tried other books on c++ too like Accelerated C++, C++ Primer by Lippman, Let's us C++ etc and I found the content of Prata's book is more easy to digest. And those who are thinking about The C++ programming language by Bjarne stroustrup then let me tell you that Stroustrup book is about "why" of the languages. You will probably find more answers there but only if you get that deep. Stroustrup book, I think, is little bit more complex and overwhelming at first. Thus, not very suitable for beginners but yes, it's better than Prata's (only if you already understand some part of it). I would suggest everyone that first read Prata and then go for the Stroustrup's book.

Alexander Ptakhin says

Seems ok for learning base features "bright future" C++. Although there are no shooting ropes in book. And I'm sure that book of my favourite language must have name "C++. Prepare to die edition", because only book's goal is to protect fragile mind from dangerous things. And not to draw bright future.

Alven says

Want to learn a progamming language? This text is must, provided you can figure out how to utilize your compiler!

Shuja Ul Hasan says

The best book to get started with c++ programming, it is well arranged by topics and covers a lot of good programming concepts and tricks, yet it needs to be updated with advanced programming concepts like meta-programming and concurrency. Also a little bit of cutting would be nice to make it a little easier for a complete noob so that it may look a little less frightening. As the book is quite lengthy.

Joe Vaughn says

Pulled this down from the shelf today for some pointers on a print driver. Recalled what a darned good book this is for instruction sets with C++. Haven't pulled it since college and kicking meself for not going back to basics. Easily used with clear examples...if you can't whip up a quick currency converter using the examples from this book, try another book...or another lang.

Timothy Culp says

I'm sorry Stroustrup and Lippman. You may have invented C++ and while many professionals read cover to cover anything you put on paper, have you ever tried teaching a course with one of your books? This book is written by a professor specifically for teaching the concepts so the student can absorb them in little chunks. Complete with examples, problems, and answers, it's a practical book for new or intermediate computer science students. Albeit not very sexy.