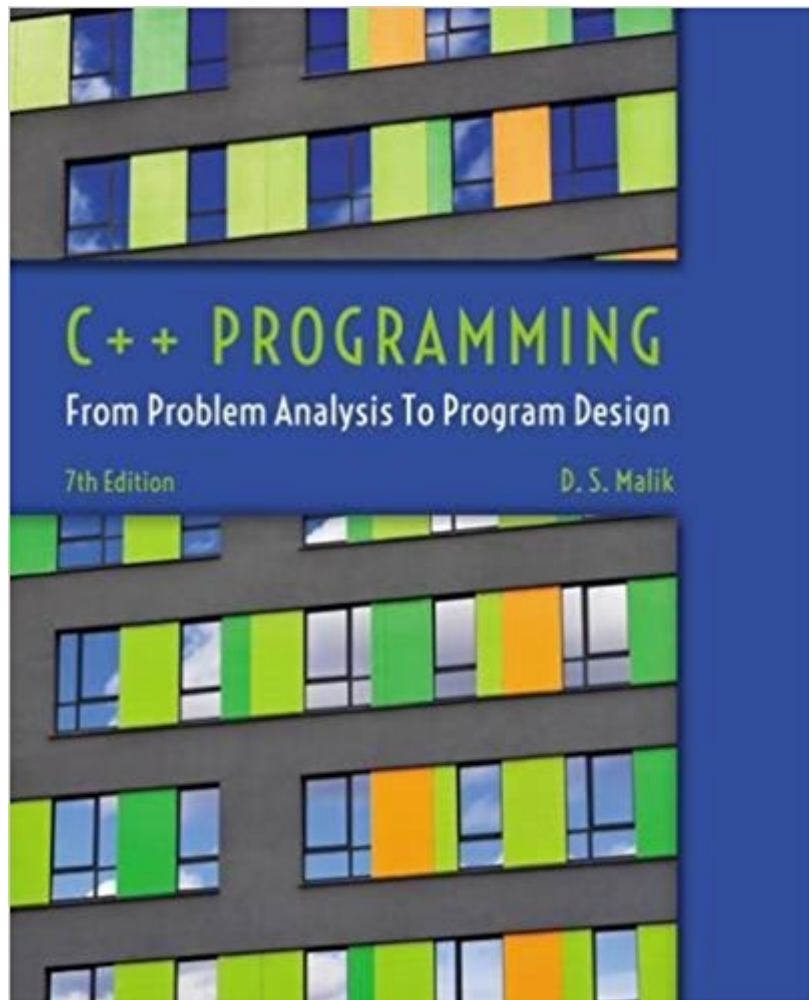




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# C++ Programming: From Problem Analysis To Program Design



## Synopsis

C++ PROGRAMMING: FROM PROBLEM ANALYSIS TO PROGRAM DESIGN, Seventh Edition remains the definitive text for a first programming language course. D.S. Malik's time-tested, student-centered methodology uses a strong focus on problem-solving and full-code examples to vividly demonstrate the how and why of applying programming concepts and utilizing C++ to work through a problem. This new edition includes updated end-of-chapter exercises, new debugging exercises, an earlier introduction to variables and a streamlined discussion of user-defined functions to best meet the needs of the modern CS1 course. An optional CourseMate brings C++ PROGRAMMING: FROM PROBLEM ANALYSIS TO PROGRAM DESIGN to life with interactive study tools including videos, quizzing, flashcards, and games. The CourseMate's digital Lab Manual offers additional hands-on exercises, allowing students to reinforce critical thinking through practice.

## Book Information

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## Customer Reviews

"Malik's text provides excellent organization and rich material!" "Malik's text provides a very clear explanation of each topic."

D.S. Malik is a Professor of Mathematics and the first recipient and current holder of The Frederick H. and Anna K. Scheerer Endowed Chair in Mathematics at Creighton University. Dr. Malik received

his Ph.D. from Ohio University in 1985 and has published more than 50 papers and 18 books on abstract algebra, applied mathematics, graph theory, fuzzy automata theory and languages, fuzzy logic and its applications, programming, data structures, and discrete mathematics.

I did not go deep enough in the book yet. However there are serious errors in Chapter 4. Several Exercises (7e, 7d and others) try to compare string literals using operators without any comments that this operation has random outcome. Answers do not mention anything about it either making student believe that there is a definite correct answer to such a comparison. This is 7th (!) edition of a very expensive text book used for 1st year C++. It should not have flops of the kind. I do not know what is coming later in more complicated areas. Otherwise the book is nicely set.

This book is the textbook my college uses and I can honestly say I am glad I had to purchase this book. This book is written in a very straight forward manner, there are code examples which are walked through to explain the logic and why things are happening. There are also programming exercises at the end of each chapter to give you some ideas on small programs to write for practice. Other programming books I attempted to learn from as a beginner were extremely confusing and weighed down with a lot of "techy talk" that was over my head. I did not have that problem with this book.

This is a really good book. It was required for my C++ Computer Science class. There are lots of challenging exercises in the book. I would definitely not say that there is fluff, because the author does a good job of conveying information in repetition to ensure understanding. This is definitely a good book for anybody learning C++, or anybody interested in it who knows another programming language like PHP or JavaScript something already.

This book is incredible. I was a little worried that my school (Regis University) wanted me to buy a book that had such an insignificant reputation (13 customer reviews). But they chose wisely. This book is not a technical manual. It's a textbook that's designed to teach you C++ topics in an easy to understand way. It's not dense, but rather descriptive and an enjoyable read. It's made linked list and pointers a cinch. I would highly recommend this book for intro to CS courses.

Used this book for my CSS class. Learned C++ all the way to arrays and 2d arrays. Had great examples and problems to study C++.

With minor improvements, this book continues to be a great learning reference for C++. It is important to keep an open mind about the exercises and always refer to the chapter text or examples when figuring out how to solve a problem. Internet references for standard library methods can more specifically explain each method's usage. That is one area this book seems to fall short of still.

Well written with good examples. Saved me in class when a professor couldn't teach.

I needed this book for a couple of my Computer Science Classes. As far as textbooks go, I thought it was very well written and informative. You would think that for the price of this book, the fact that it is in color would go without saying, however I am learning that that isn't necessarily the case. This book however is color, which for me is a big plus as it is easier to follow along with the code examples.

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