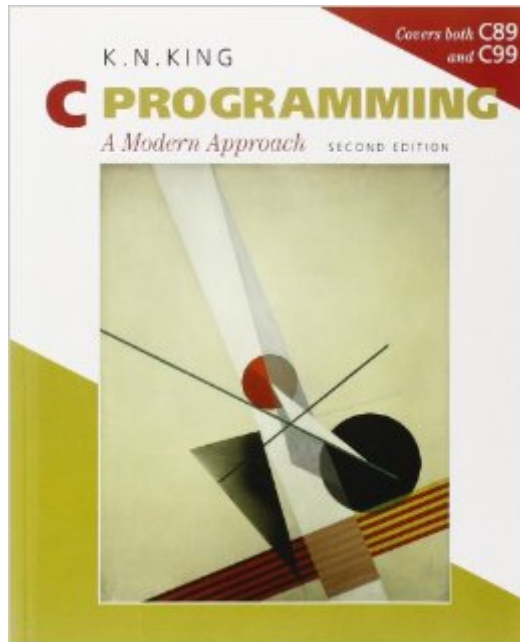# C Programming: A Modern Approach, 2nd Edition

Synopsis

The first edition of C Programming: A Modern Approach was popular with students and faculty alike because of its clarity and comprehensiveness as well as its trademark Q&A sections. Professor King's spiral approach made it accessible to a broad range of readers, from beginners to more advanced students. With adoptions at over 225 colleges, the first edition was one of the leading C textbooks of the last ten years. The second edition maintains all the book's popular features and brings it up to date with coverage of the C99 standard. The new edition also adds a significant number of exercises and longer programming projects, and includes extensive revisions and updates.

Book Information

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Customer Reviews

I have browsed some C and C++ books in major bookstores to see how the materials are organized and presented. This one was not a book I had a chance to browse, but one which I had to buy for an extension course (Introductory C Programming) at UCLA last summer.At first I thought King's book was hard because of a certain depth of penetration into elements of good programming practices with examples one after another. As I became serious and started to reading intently, I found out how effective King was in paving the way toward a comprehensive understanding of C programming through worked out code and annotations. King is very skilled in breaking down and building up C code, unlike certain celebrated C programming language experts who apparently do not care to be clear or are simply ineffective. So my conclusion is: Read this each chapter of this

book very closely, carefully and seriously, and try to understand every last point King is raising. Also, do not neglect working out some of his exercises at the end of each chapter for the benefit of practice as well as learning C. In almost every chapter of the book, he gives very good, organized and annotated but not tedious and complex examples. The problems are generally reasonable and hardly ever too complicated because I never found them overwhelming, either from a coding perspective or mathematically. Perhaps it is because King comes across as someone who emphasizes organization, detail, clarity and explanation in his style of presentation. There are no problems dealing with heavy scientific or engineering applications for those who dread them.Great points: (1) Fundamentals - beginning chapters goes into detail for a solid grounding of C language basics (syntax, etc.

I ordered K.N. King's ``C Programming: A Modern Approach (Second Edition)'' from for my recent birthday. Having had more birthdays than I care to admit, this gift to myself is right up there with a Lionel train set I got for my eighth birthday (not from , of course -- it didn't exist that long ago but passengers trains sure did :)).In this second edition, I think that KNK is now the logical heir to K&R. That's not meant as blasphemy -- Kernighan and Ritchie's still great volume is around 20 years of age and it's unlikely they'll be getting together for K&R3. The C language has undergone enough changes (with the amendment of 1994) and C99, that a ``Modern Approach'' really is needed.There's another author familiar to readers of the comp.lang.c newsgroup for his approachable, engaging writing style. That author is a wonderful writer but doesn't let the truth get in the way of good narrative. King, though, is an equally engaging writer but is obviously passionate about correctness and adhering to the C standard. He's also meticulous about portability so that the examples are written in pure C and not some platform-specific variant.I've the entire book and can find hardly anything even nitpick. Aside from a minor style difference about using parentheses with the ``sizeof'' operator, which King explains his rationale for doing so, that's about it.His explanation of C99 (and the differences from C90 are clearly indicated) made me aware of some really nice features of the current standard for the language (and makes me wonder why one very notable compiler implementer hasn't yet supported C99).In short, get this book. The Q&A sections at the end of each chapter are very well done.

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