
Very Important Texts in C

Kernighan and Ritchie (1988) is a very good text, but not for beginners. The second author of the book is the developer of the C language! Harbison and Steele (2002) is a great complete reference on C. Koenig (1988) warns you against the common mistakes committed by C programmers. It explains, as well, other nice tricks. Reek (1998) treats pointers extensively; it is for serious C students and programmers. Anderson and Anderson (1988) is advanced text who teaches C at the level of system programming.

Very Important Texts in Programming (Algorithms and Data Structures)

Knuth (1997) is a reference by Knuth, the father of computer programming (the first 3 volumes are dedicated to Algorithms, along with their analyses, and Data structures). Every student in computer science has to read from this book. Sedgewick (1998) is a reference by Sedgewick, a student of Knuth. It is a very good text, full of insight, in algorithms and data structures in C. The author has the book in different programming languages, e.g., C++, and Java. Cormen (2001) is a key book in algorithms in pseudo-code. Press (1992) is a great source in numerical recipes in C, with ready-to-use code.

References

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- Cormen, T. H. (2001). *Introduction to algorithms*, 2nd edn, MIT Press ; McGraw Hill [distributor], Cambridge, Mass. Boston.
- Harbison, S. P. and Steele, G. L. (2002). *C, a reference manual*, 5th edn, Prentice-Hall, Upper Saddle River, N.J. Samuel P. Harbison, III, Guy L. Steele, Jr. ill. ; 24 cm.
- Kernighan, B. W. and Ritchie, D. M. (1988). *The C programming language*, 2nd edn, Prentice Hall, Englewood Cliffs, N.J. Brian W. Kernighan, Dennis M. Ritchie. 25 cm. Includes index.
- Knuth, D. E. (1997). *The art of computer programming*, 3rd edn, Addison-Wesley, Reading, Mass.
- Koenig, A. (1988). *C traps and pitfalls*, Addison-Wesley, Reading, Mass. Andrew Koenig. 24 cm. Includes index.
- Press, W. H. (1992). Numerical recipes in c. [computer file] / Press ... [et al.]. 1 computer disk ; 3 1/2 in. Title from disk label. Copyrighted by Numerical Recipes Software. Designed for use in conjunction with the book: Numerical recipes in C : the art of scientific computing / William H. Press ... [et al.]. 2nd ed. Accompanied by Numerical recipes example book (C) / William T. Vetterling ... [et. al.]. 2nd ed. Cambridge [England] : Cambridge University Press, c1992. IBM PC C DOS.
- Reek, K. A. (1998). *Pointers on C*, Addison-Wesley Longman, Reading, Mass. Kenneth A. Reek. ill. ; 24 cm. Includes index.
- Sedgewick, R. (1998). *Algorithms in C*, 3rd edn, Addison-Wesley, Reading, Mass. Robert Sedgewick. ill. ; 24 cm. [1], pts. 1-4. Fundamentals, data structures, sorting, searching. [2], pt. 5. Graph algorithms.