



C for Programmers with an Introduction to C11 (Deitel Developer Series)

Paul Deitel, Harvey Deitel

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Written for programmers with a background in high-level language programming, this book applies the Deitel signature **live-code approach** to teaching the C language and the **C Standard Library**. The book presents the concepts in the context of fully tested programs, complete with syntax shading, code highlighting, code walkthroughs and program outputs. The book features approximately **5,000 lines of proven C code** and hundreds of savvy tips that will help you build robust applications.

Start with an introduction to C, then rapidly move on to more advanced topics, including building custom data structures, the Standard Library, select features of the **new C11** standard such as **multithreading** to help you write high-performance applications for today's multicore systems, and **secure C programming** sections that show you how to write software that is more robust and less vulnerable. You'll enjoy the Deitels' classic treatment of procedural programming. When you're finished, you'll have everything you need to start building industrial-strength C applications.

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- C11 multithreading for enhanced performance on today's multicore systems
- Secure C Programming sections
- Data structures, searching and sorting
- Order of evaluation issues, preprocessor
- Designated initializers, compound literals, `bool` type, complex numbers, variable-length arrays, restricted pointers, type generic math, inline functions, and more.

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