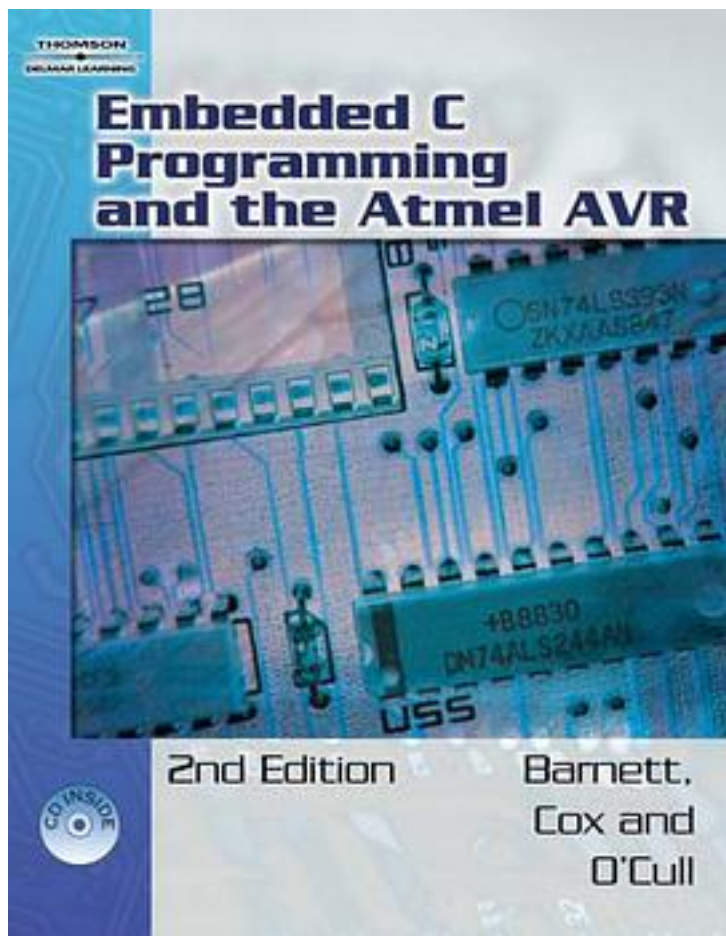# Embedded C Programming and the Atmel AVR

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Enter the world of embedded programming and microcontroller applications! One of the only books available today that uses the increasingly popular and cost-effective Atmel AVR embedded controller as the platform and application for learning,

Embedded C Programming and the Atmel AVR, 2E is the perfect choice for novices. Featuring a host of fully-functional example applications, this highly innovative book enables users to adopt a "learn by doing" approach as they develop the knowledge and skills needed to achieve proficiency. Following an introduction to Atmel AVR RISC processors, readers are launched immediately into an embedded C language tutorial. Here, they'll experiment with variables and constants, operators and expressions, control statements, pointers and arrays, memory types, preprocessor directives, real-time methods, and more! In addition to a comprehensive library functions reference, an entire chapter on the CodeVision AVR C Compiler provides clear, step-by-step instruction in IDE installation and operation, mixing Assembler with C, and using the Code Wizard Code Generator. Use of peripherals - such as keypads, LCD displays, and other common embedded microcontroller-related devices - is also explored fully in this all-inclusive, state-of-the-art programmer's how-to and reference manual.

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