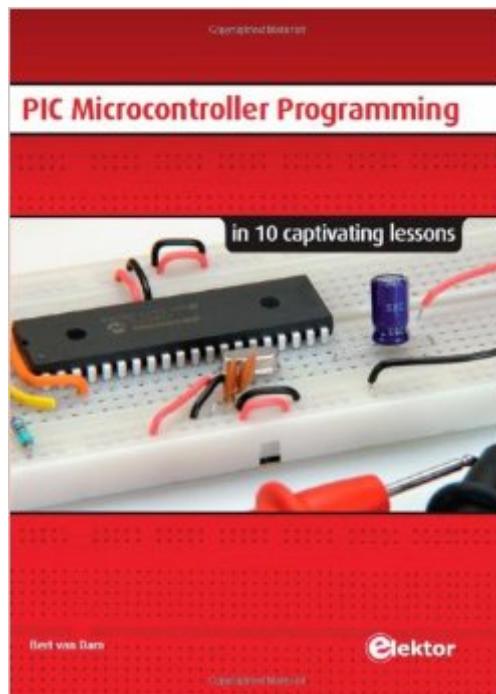# PIC Microcontroller Programming: In 10 Captivating Lessons (JAL)

Synopsis

Using the lessons in this book you learn how to program a microcontroller. You'll be using JAL, a free but extremely powerful programming language for PIC microcontrollers, which enjoys great popularity in the hobby world. Starting out from scratch virtually, you slowly build up the knowledge. No previous knowledge is needed: anyone can get started with this book. Assuming you have absorbed all lessons - meaning you have actually completed all the exercises - you should be confident to write PIC microcontroller programs, as well as read and understand programs written by other people.You learn the function of JAL commands such as include, pin, delay, forever loop, while loop, case, exit loop, repeat until, if then, as well as the use of functions, procedures and timer- and port interrupts.You make an LED blink, build a time switch, measure a potentiometer's wiper position, produce sounds, suppress contact bounce, and control the brightness of an LED. And of course you learn to debug, meaning: how to spot and fix errors in your programs.You learn to recognize various components including the PIC microcontroller, potentiometer and quartz crystal, and how to wire up a PIC microcontroller and effectively link it to your PC. A breadboard is used for the purpose, allowing you to easily modify the component arrangement for further experimenting.The companion software with this book can be downloaded free of charge, including the JAL programming language. In addition, you may order a kit of parts so you don't have to go shopping for the required components. Especially for a beginner, this is the easiest way to start with this unique pastime.

Book Information

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Customer Reviews

The book introduce JAL, very easy and give some useful examples. JAL is new, but very easy to

learn and simulate.

written rather clearly. I prefer to use PIC BASIC of JAL but its good to know multiple languages and compilers

Well written, code works well...

PIC Microcontroller Programming: in 10 captivating lessons (JAL) PIC Microcontroller Project Book : For PIC Basic and PIC Basic Pro Compliers Programming #8:C Programming Success in a Day & Android Programming In a Day! (C Programming, C++programming, C++ programming language, Android , Android Programming, Android Games) Programming #57: C++ Programming Professional Made Easy & Android Programming in a Day (C++ Programming, C++ Language, C++for beginners, C++, Programming ... Programming, Android, C, C Programming) Advanced PIC Microcontroller Projects in C: From USB to RTOS with the PIC 18F Series PIC'n Techniques, PIC Microcontroller Applications Guide Serial PIC'n : PIC Microcontroller Serial Communications Automatic On/Off Control of Small Motors & Other Home Appliances Using PIC 18F4680 Microcontroller -- A Circuit Diagram & PIC Program Code Programming #45: Python Programming Professional Made Easy & Android Programming In a Day! (Python Programming, Python Language, Python for beginners, ... Programming Languages, Android Programming) Programming and Customizing the PIC Microcontroller (Tab Electronics) Beginner's Guide To Embedded C Programming: Using The Pic Microcontroller And The Hitech Picc-Lite C Compiler Programming and Customizing the Pic Microcontroller Programming the PIC Microcontroller with MBASIC (Embedded Technology) Microcontroller Programming: The Microchip PIC Programming 16-Bit PIC Microcontrollers in C, Second Edition: Learning to Fly the PIC 24 Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 (Embedded Technology) Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 (Embedded Technology) Pap/Cdr Edition by Di Jasio, Lucio published by Newnes (an imprint of Butterworth-Heinemann Ltd) (2007) Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 Programming: Computer Programming for Beginners: Learn the Basics of Java, SQL & C++ - 3. Edition (Coding, C Programming, Java Programming, SQL Programming, JavaScript, Python, PHP) Raspberry Pi 2: Raspberry Pi 2 Programming Made Easy (Raspberry Pi, Android Programming, Programming, Linux, Unix, C Programming, C+ Programming)