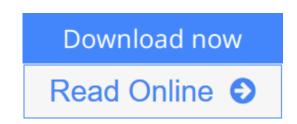# Beginner's Guide to Embedded C Programming - Volume 3: Creating the SimpleC Library of Functions

By Chuck Hellebuyck

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In "Beginner's Guide to Embedded C Programming – Volume 3" Chuck Hellebuyck takes another leap forward by showing you the steps to create the SimpleC library of functions that make programming in C even easier. This approach shows the reader how they can create their own functions and expand the SimpleC library to make creating microcontroller projects much quicker than writing in raw C code. This book will clearly be the reference for future programmers who want to build electronic gadgets without all the pain staking steps of writing every C statement while producing a working project in less time and with less effort. The SimpleC library will make the following functions as easy as one command line: • Controlling Digital Outputs • Reading Digital Inputs • Monitoring Analog Voltages • Driving Liquid Crystal Display Modules • Driving Digital PWM Signals • Sending/Receiving via SPI and I2C Communication • Writing to/Reading from External EEPROM • Writing to/Reading from External I/O Expanders • And More! The book uses the open source PIC16F886 based CHIPINO module for the hardware and also forms the platform to make future electronic projects and gadgets easier to build.

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