

Learn to Program with Assembly

Learn to program using the Assembly programming language and master the most important concepts in programming. Taking your first steps in programming with the Assembly language will make learning higher level programming languages that much easier.

Most beginning-level programming books attempt to shield you from how your computer really works. Instead, author **Jonathan Bartlett** starts by teaching how the computer works under the hood 32-bit x86, 64-bit x86 and Arm, so that you will have a sufficient background to be successful in all areas of programming.

Next, you'll see and write your very first programs, followed by a deep dive into functions, files, simple records read/write, and more. After this, you'll start coding robust applications and sharing functions with code libraries. Practical examples help illustrate each topic, and full source code is available for download from the Apress website.

In the final portion of the book, you'll be introduced to intermediate topics like memory, threading, and counting, and close with a discussion of high level languages to consider learning next. Source code for this book available for free on book website/page.

You will:

- Learn how the processor views memory
- Understand how the processor operates
- Understand how programs interact with the operating system
- See how computers represent data internally
- Master how to do low-level and high-level optimization

Related Titles



ISBN 978-1-4842-7436-1
54999

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Shelve in:
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User level:
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Bartlett

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The Easier Path to Learning Higher Level Languages

Jonathan Bartlett

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