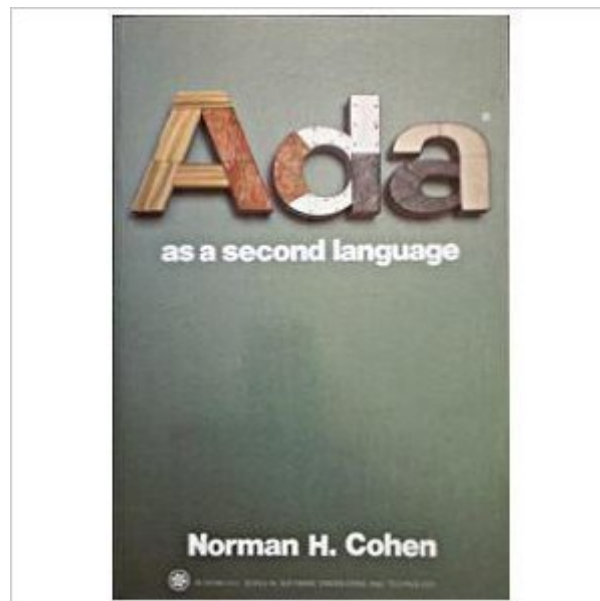


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# ADA As A Second Language (McGraw-Hill Series In Software Engineering And Technology)



## Synopsis

Known as the authority on Ada 83, this text reflects the latest version of the language, Ada 95.

Designed for a junior/senior programming course, this text serves as both a tutorial introduction and a complete reference to the Ada language. It offers specific, practical advice on how and why to use each language feature, stressing good programming style supported by hundreds of complete examples. --This text refers to an out of print or unavailable edition of this title.

## Book Information

Series: McGraw-Hill series in software engineering and technology

Paperback: 838 pages

Publisher: McGraw-Hill Inc.,US (July 1986)

Language: English

ISBN-10: 0070115893

ISBN-13: 978-0070115897

Product Dimensions: 6.4 x 1.3 x 9.1 inches

Shipping Weight: 2.5 pounds

Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (15 customer reviews)

Best Sellers Rank: #1,916,935 in Books (See Top 100 in Books) #28 in [Books > Computers & Technology > Programming > Languages & Tools > Ada](#) #13775 in [Books > Computers & Technology > Software](#) #33326 in [Books > Science & Math > Mathematics](#)

## Customer Reviews

Over two years back, I had to write and test huge amount of code (about 200-330K LOC) in Ada 95 (I had over 8 yrs. Ada 83 experience) in very short time. A colleague suggested to use this book. It has helped me in every way. The book contains very clear explanations about all the new concepts in Ada and it also covers the real-time issues, OOP, low-level multilingual programming, distributed programming etc. Although, it was written for the "C" programmers who are new to Ada, I have since then worked on two more major programs and this is the only Ada95 book I am continuously using together with the Ada 95 LRM.

This book is the best Ada 95 book in the market. It covers everything about Ada 95 (core language plus all six specialized annexes). Chapters are presented in a tutorial format. Examples in the book are practical and realistic. Best of all you learn features of Ada 95 with a tremendous clarity. What is unbelievable is the ability of the author to teach you some complex topics in a step by step manner

leaving no room for confusion. This book is complete in every way and entertaining. If you are a serious Ada developer this is a MUST BOOK. I use this book to teach advanced Ada 95 classes.

It's a travesty that C and C++ are being used to design critical systems in things like aircraft and cars where human life is at risk since it is impossible to prove the reliability of these languages. They are completely unsafe languages that put the entire responsibility of correctness on the programmer. Ada is a language that is safe by design in much the same way as functional languages like ML are safe, due to strong type checking and a checked and type strong module system. But somehow Ada has the reputation for being a dead language, so only very few companies make use of it for embedded software. Two reasons that Ada never received general acceptance was that it came out in 83 and such a large language was not able to fit on the tiny processors and memory of that time (1 mhz, 64k) so it had an undeserved reputation of being slow. Keep in mind C++ was considered too slow to use at that time. The other reason that Ada never caught on is there are not any easy to understand books on Ada. All books currently out on Ada are very large and dense. Ada is not a language that relies on gimmicks, but is a collection of software practices that work together to make a very strong language. Norman Cohen's book came out in 86, only 3 years after the 83 standard was released. It covers all the advanced topics of language design like generics, packages, tasks (threads), access types (pointers), sub classing (object orientation) in a way that is just as understandable as any current books on these subjects. Regrettably I bought the first edition of this book covering the Ada 83 standard as I was not aware of the 2nd edition. I have since ordered updated version of this book.

The first edition of this book was my second Ada83 book, but quickly became my favorite. The only way to have improved on the original was to write another about the new and improved Ada standard, Ada95. I have recommended this book to numerous co-workers, both new to the language and old timers, and all agree this is among the best. The sections at the end of each chapter explaining the differences from Ada83 are helpful for those of us familiar with Ada95 but are still using Ada83. The examples in the book are excellent and provide just enough information to solve specific questions without getting bogged down in the details. I have used the first edition through the second from student to professional and look forward to a third some time in the next century.

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(I had over 8 yrs. Ada 83 experience) in very short time. A colleague suggested to use this book. It has helped me in every way. The book contains very clear explanations about all the new concepts in Ada and it also covers the real-time issues, OOP, low-level multilingual programming, distributed programming etc. Although, it was written for the "C" programmers who are new to Ada, I have since then worked on two more major programs and this is the only Ada95 book I am continuously using together with the Ada 95 LRM.

I got this book as a good yet light introduction into ADA, since I don't know whether I will ever use it or not, but I wanted to get an overview. I also got it used from one of the sellers here for 50 cents or so, which is why I won't complain. However if you are like me and want to get it for the same reason, you should know that the descriptive text of this book is wrong. This book is NOT about ADA95 but the 83 version! Like I said, for me it's only to have an overview over the language and get some tutorial material. If I decide to stick around, I already knew I will have to get a newer book to learn the 2005 and 2012 version anyway, so I won't make a fuss over it, since I paid under 5\$ with shipping. The book itself seems to be good, lots and lots of text with many examples. I haven't had time to read through it of course and it will be months before I could judge it's quality since I'm doing this on the side only so I give 4 stars as to not mess up the overall rating. I subtract 1 star because the descriptive text for the book is misleading though.

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