

# Beginning Ada Programming: From Novice to Professional

Ada is a high-level programming language designed for safety, reliability, and security. It is widely used in critical systems such as avionics, space systems, and medical devices. Ada is also used in non-critical systems such as financial systems, telecommunications systems, and embedded systems.

There are many reasons to learn Ada. Here are a few:

- **Safety and reliability:** Ada is designed with safety and reliability in mind. It has features such as strong typing, error handling, and exception handling that help to prevent errors and make programs more reliable.
- **Security:** Ada is also a secure language. It has features such as memory protection, access control, and encryption that help to protect programs from attack.
- **Portability:** Ada is a portable language. It can be compiled on a wide variety of platforms, from small embedded systems to large mainframes.
- **High performance:** Ada is a high-performance language. It can be used to develop efficient programs that run quickly.

This book is intended for beginners who want to learn Ada programming. It is also useful for experienced programmers who want to learn more about Ada.



## Beginning Ada Programming: From Novice to

**Professional** by Andrew T. Shvets

★★★★☆ 4 out of 5

Language : English  
File size : 611 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 366 pages



This book will teach you the fundamentals of Ada programming. You will learn about:

- Ada syntax
- Ada data types
- Ada control structures
- Ada functions and procedures
- Ada packages
- Ada tasks
- Ada exceptions
- Ada generics
- Ada object-oriented programming

This book is designed to be self-paced. You can read it from beginning to end, or you can skip around to the chapters that interest you the most.

Each chapter contains examples and exercises that will help you to learn the material. The exercises are graded from easy to difficult, so you can challenge yourself as you progress.

The author of this book is a professional Ada programmer with over 10 years of experience. He has written numerous articles and tutorials on Ada programming.

Ada is a powerful and versatile programming language that is well-suited for developing safety-critical systems. This book will teach you the fundamentals of Ada programming and help you to become a professional Ada developer.



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