

**CSÖRNYEI ZOLTÁN, *FORDÍTÓPROGRAMOK*
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The contents of this book are based on the lectures held by the author for students at the Faculty of Informatics, Loránd Eötvös University in Budapest. The eleven chapters are: Introduction, Structure of a compiler, Parsers, Syntactical analyzers, Top-down analyzers, Bottom-up analyzers, Symbol table, Semantical analyzers, Error handling, Code generation, Code optimization.

The aim of the book is to present how a compiler works, how it detects the source errors, and how it prepares from the source code the executable target code. A programmer who knows the inside of a compiler and gets acquainted with translation algorithms will be able to write better and more efficient programs.

The book deals with the translation algorithms regarding the imperative languages. Theoretical backgrounds and efficient and practical methods used in compiler design and construction are in detail presented. Because the author focuses his interest on practical aspects, principles and translation methods, the proof of theorems are left to the reader's interest and can be found in referred papers. The book contains a lot of examples written in a easy readable pseudocode.

The book is good written, carefully printed, with 37 references and an exhaustive index table. You are invited to find more information about this and other interesting books on the web site of the publishing company, <http://www.typtex.hu>.

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