

Compiler

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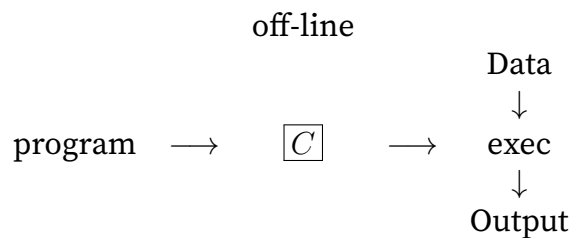
Abstract

This is a note for Stanford Online course named Compiler. I'd like to share my note with you guys. After three months of internship, I find the importance of Compiler when you meet any problem strange. Thus, learning makes me feeling better.

1 Week 1: Introduction & the Cool Programming Language

1.1 Introduction

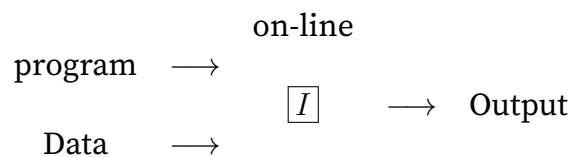
- Compilers



1954 IBM develops the 704
software > hardware
"Speedcoding"

- 10-20x slower
- 300 bytes = 30% memory

- Interpreters



FORTTRAN 1(Formulas Translated)
1954-1957
1958 50% program in FORTRAN 1

The outlines of FORTRAN 1

1. Lexical Analysis

2. Parsing
3. Sematic Analysis
4. Optimization
5. Code Generation