

Help

In this module we will introduce C, a programming language. Programming languages such as C allow programmers to be more productive, as details we need to take care of in assembly code are now abstracted away and handled by a compiler. While allowing us to program at a higher level than assembly, C still allows us to understand how programs translate to assembly and machine code.

We will cover some aspects of writing C programs, including input/output libraries, C operations, C syntax, and control structures. We will also show how C program constructs can be compiled to LC-3 instructions.

At the end of this module you will be able to:

- Describe how programming languages like C increase programmer productivity.
- List advantages and disadvantages of high-level languages compared to assembly language.
- Describe the process of compilation.
- Become familiar with programs and statements written in C.
- Understand the link between high-level languages and the instructions executed on a processor.

INTRODUCING C

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