

Lab 1: compilation

Tuesday, January 16, 2024 10:07

Compiler: a tool that performs compilation

Compilation: translating source code to machine code

1) **pre-processing** input: source code

uses input from the source code and only handles lines with the # symbol.

{ only handles lines with #
(pre-processor directives) use
continents from discontiguous lines }

2) **compilation** input: modified source code

uses the modified source code to translate the code into machine code that is executable.

{ translates to machine code
removes links from runtime libraries
on the device }

3) **linking** input: computer executable code

takes the object code and links it with the runtime library to create a final executable file.

{ adds runtime libraries to build final
executable programs (such as .exe) }