

6 - How the c++ Compiler works

segunda-feira, 27 de janeiro de 2025 07:20

[How the C++ Compiler Works](#)



- The compiler needs to take the text file and convert it into obj files
 - o Needs to preprocess the statements
 - o tokenize and parsing the c++ language into a compiler format
 - Representation of the code
 - o The job is to convert into a const data or instruction
 - o After that it can begin understand the code
 - o File is a way to feed the compiler
 - o # include
 - The compiler reads the file, and add it where you want to use it
 - There is no example with end braces, just need to include and it put it there
 - Open the file, copy the content and put it in place
 - o Once the pre process is done, we can translate to machine code
 - o What is inside a .obj file
 - The machine code the compiler will go to run
 - we got a bunch of assembly instructions
 - o Compiler optimize the code, and that is generated
 - o Not sure how to enable it in VSCode and cmake
 - TODO