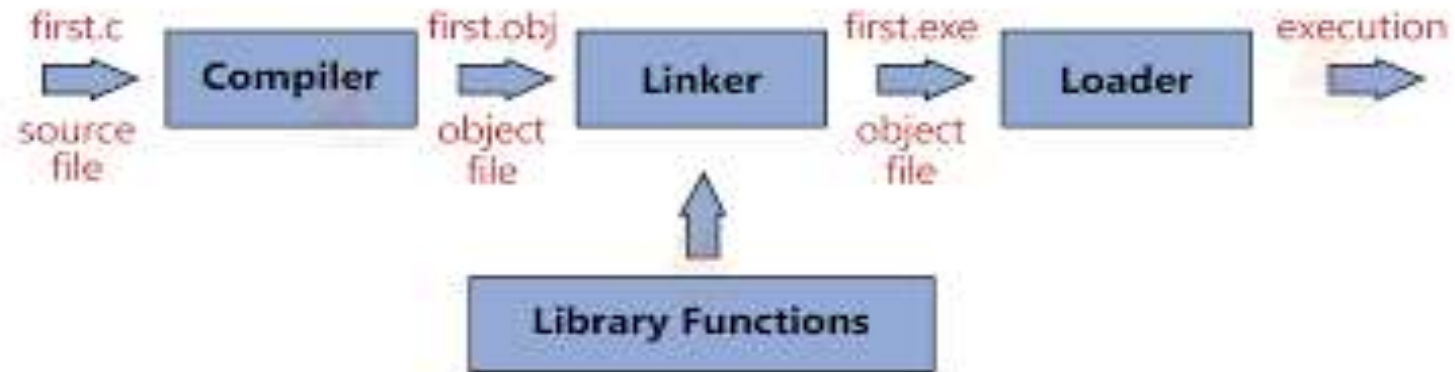# C Compiler

The C Compiler

A C compiler is an operating system program that converts C language statements into machine language equivalents. A compiler takes a set of program instructions as input and outputs a set of machine language instructions. We call the input to the compiler our source code and the output from the compiler the binary code. Once we compile our program, we do not need to recompile it, unless we have changed the source code in the interim.

To run our program, we direct the operating system to load the binary code into RAM and start executing that code. The user of our program provides input while that code is executing and receives output from it.

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