Typical C/C++ Language Processing

To do all the steps, type:
gcc file.cpp (for C, or)
g++ file.cpp (for C++)

cpp
(preprocessor)

Handles #include, #define, etc

tcc
(C compiler)

This is the actual compiler

To stop here, type:
g++ -E file.cpp

file.a

C/C++ Language Processing (cont'd)

file.o

Translates from assembly language into machine (binary) -
unique to each processor type

To stop here, type:
g++ -c file.cpp

libc
(user libraries)

other modules

as
(assembler)

file.o

"Knits" together (link) different program modules

This might be called file.exe on Windows systems

ld
(linker)

file.a

s.out

file.s

To stop here, type:
g++ -S file.cpp