



Editor
(emacs)

`$ emacs hello.c`

C source code
(hello.c)

Include files, macros
(stdio.h)

C Preprocessor
(cpp)

`$ cpp hello.c`

`$ gcc -E hello.c`

Extended C source code
(hello.c)

Compiler
(gcc)

`$ gcc -S hello.c`

ASM source code
(hello.s)

Assembler
(gas)

`$ gcc -c hello.c`

Object code
(hello.o)

Libraries
(printf)

Linker
(ld)

`$ ld hello.o LIBs`

`$ gcc -o hello hello.c`

Executable program
(hello)

Debugger
(gdb)

`$ gcc -g hello.c -o hello`

`$ gdb hello`