

Preprocessor

```
gcc -E file.c -o file.i
```

Compiler

```
gcc -S file.i -o file.s
```

Assembler

```
gcc -c file.s -o file.o
```

Linker

```
gcc file.o -lexample -o file
```

```
main:
.LFB0:
    pushq   %rbp
    movq    %rsp, %rbp
    movl    $2, -4(%rbp)
    movl    $0, %eax
    popq    %rbp
```

External Library

```
libexample.so
```