Typical C/C++ Language Processing

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

cpp
(preprocessor)

Handles #include, #define, etc

file.i

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

ccl
(C compiler)

This is the actual compiler

file.s

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

C/C++ Language Processing (cont’d)

file.o

Translate 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 (links) different program modules

ld (linker)

This might be called file.exe

on Windows systems

s.out