C Development Environment



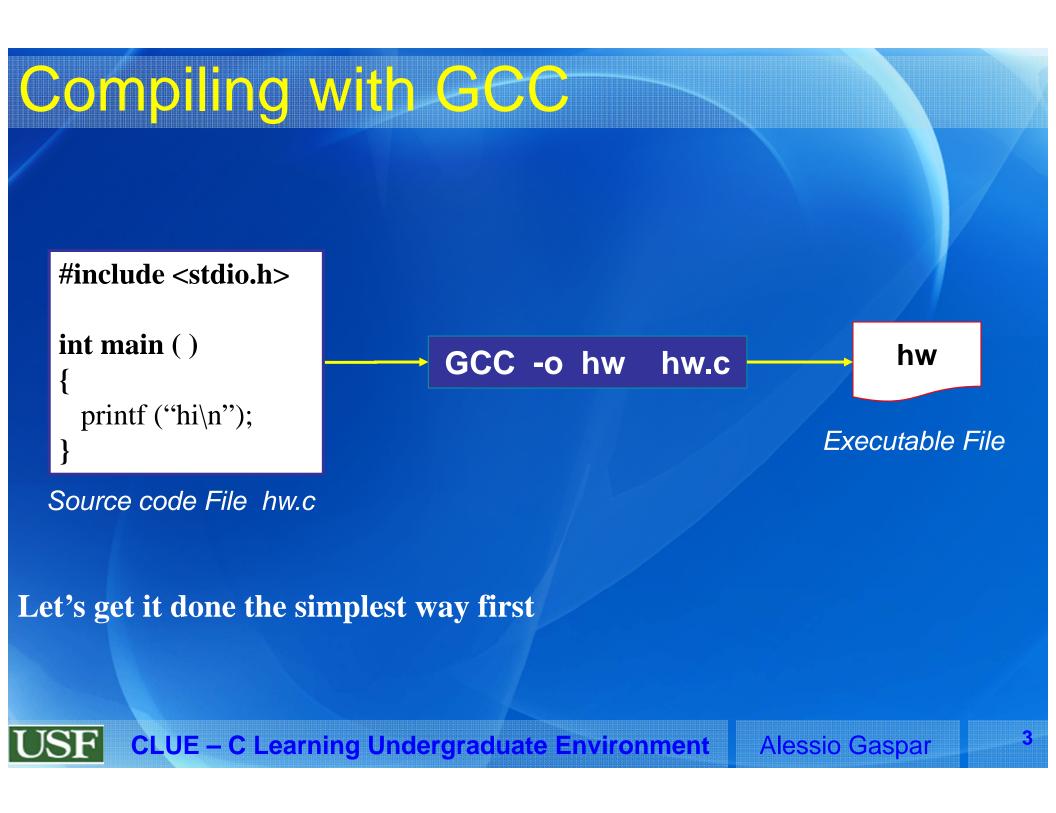
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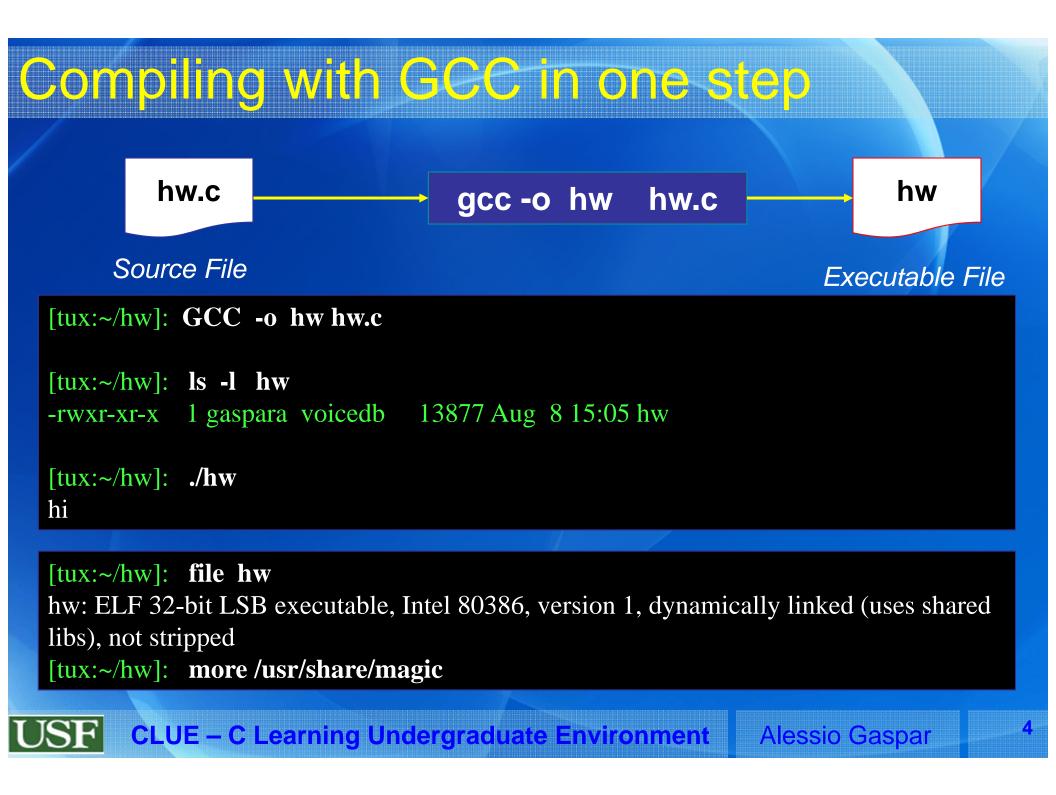
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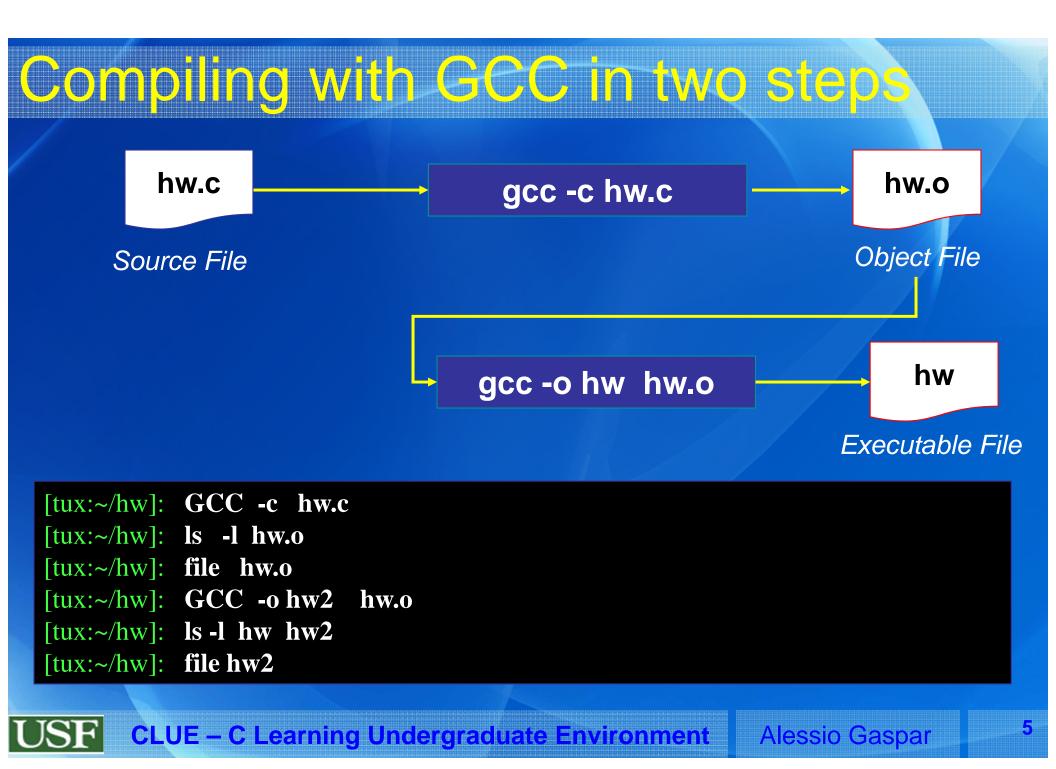
Life Cycle of a C program Development

Designing Editing Compiling Code Checking **Testing / Debugging** Purifying Profiling & Optimizing Packaging

Your Brain[™] xemacs, vi?! gcc [lint, smash] gdb, gof printf e-fence, valgrind, purify gcov, gprof deb, rpm







What's behind Gec? hw.i hw.c cpp0 Preprocessor Expanded Source File Source File Compiler hw.s ccl asm File Assembler Other User hw.o .o Files as obj File Link Editor / Linker /usr/lib hw Id collect2 Libraries Exec File 6 **CLUE – C Learning Undergraduate Environment Alessio Gaspar**

Nore Informations about GCC?

Different Types of Files' Extensions are detailed in man gcc

Similarly, options to stop GCC at any step of the source code processing chain are available
-c Stops after hw.o
-S Stops after hw.s
-E Stops after hw.i

Exec File

hw.i

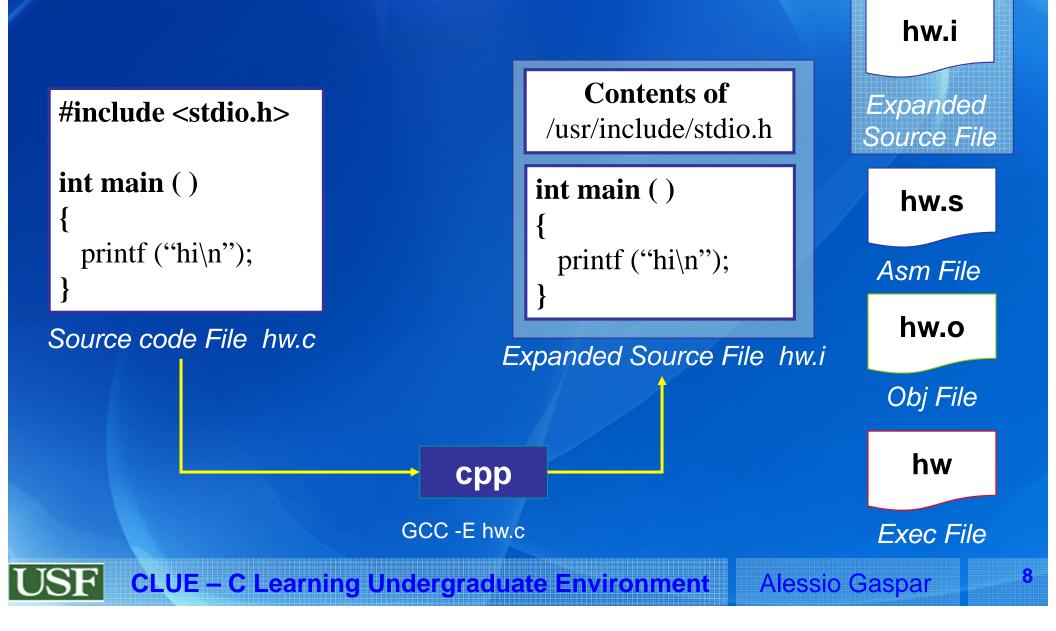
Expanded

Source File

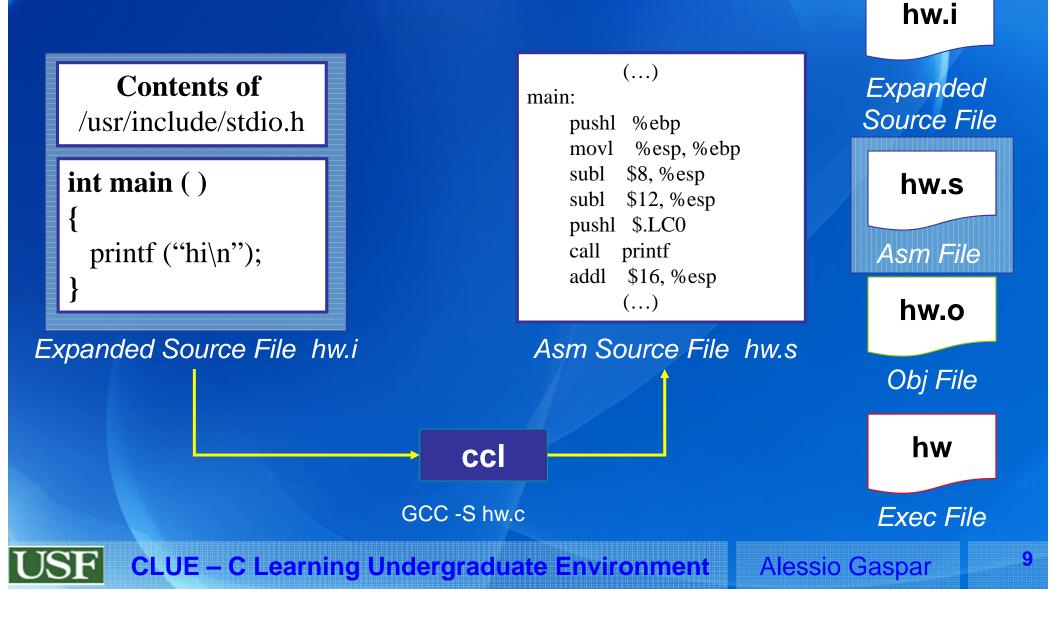
hw.s



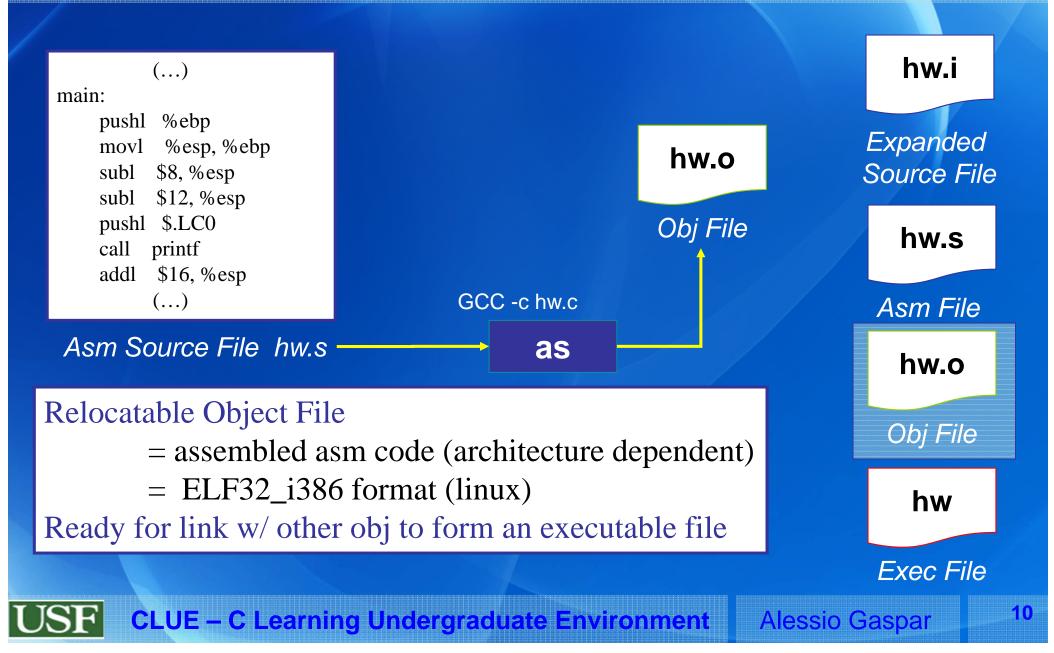
Precompiling

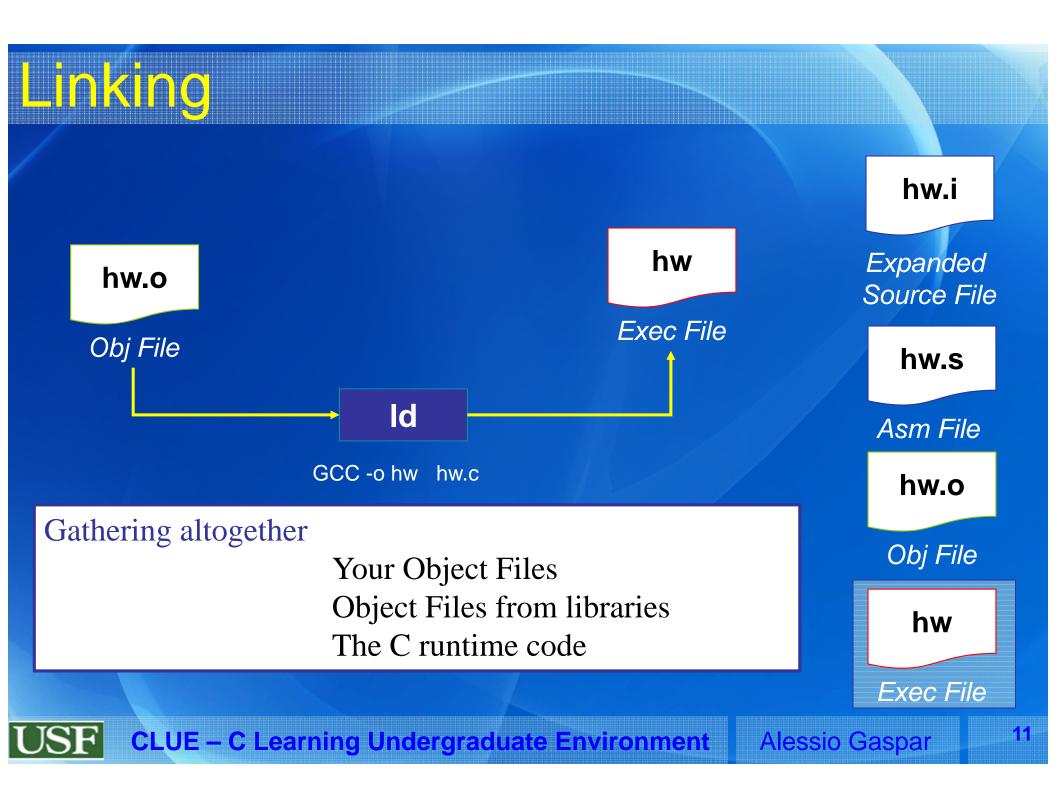


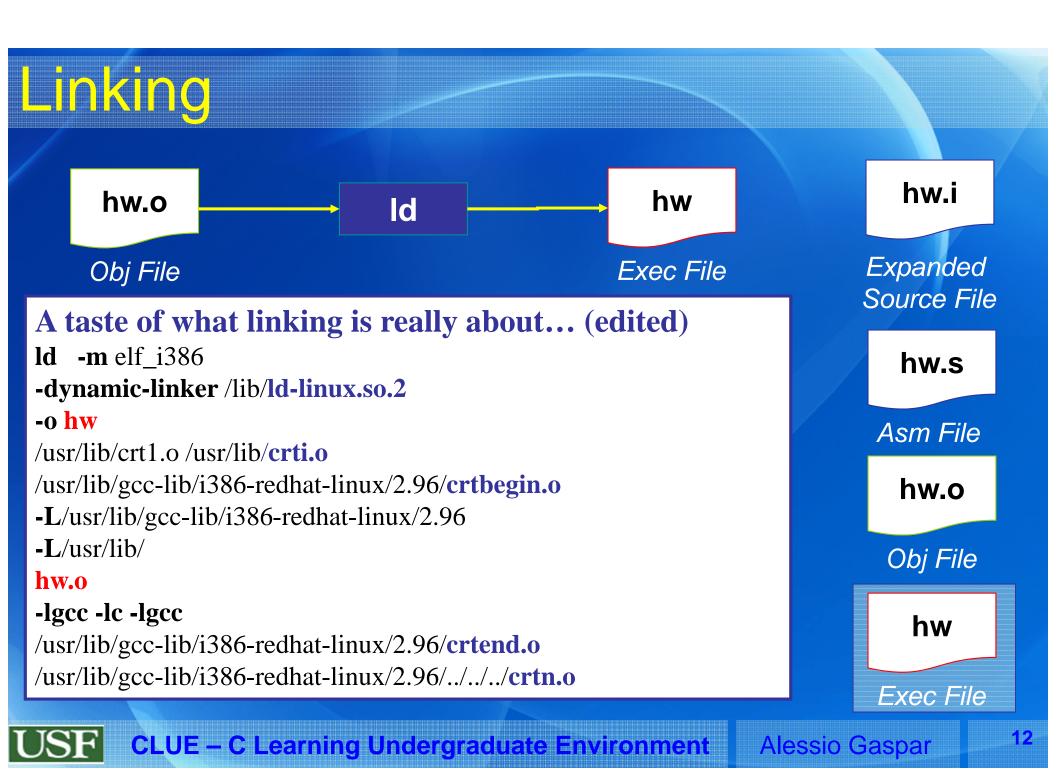
Compiling



Assembling







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