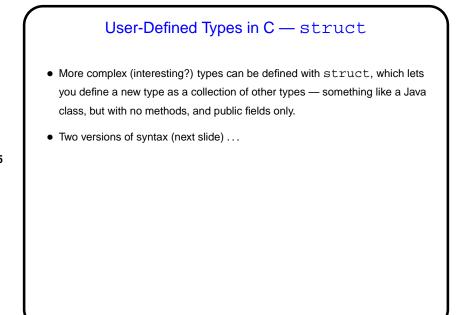
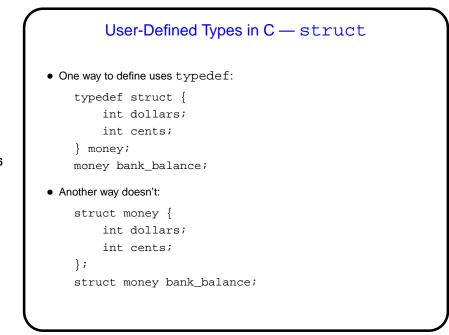
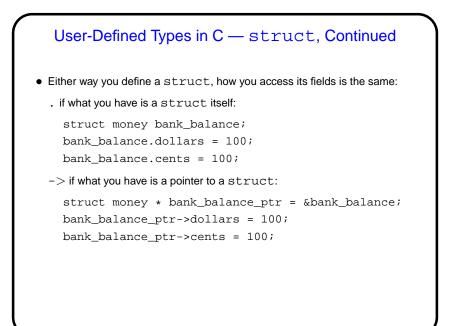


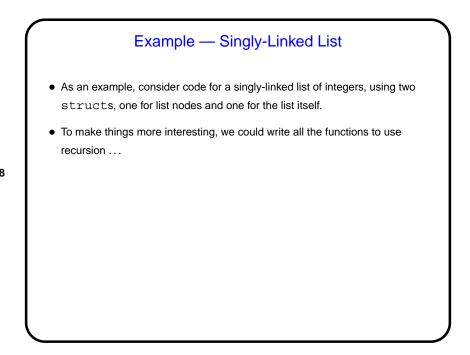
User-Defined Types in C — enum
In C (and in some other programming languages) an *enumeration* or an *enumerated type* is just a way of specifying a small range of values, e.g. enum basic_color { red, green, blue, yellow }; enum basic_color color = red;
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Under the hood, C enumerated types are really just integers, though, and they can be ugly to work with in some ways (e.g., no nice way to do I/O with them).



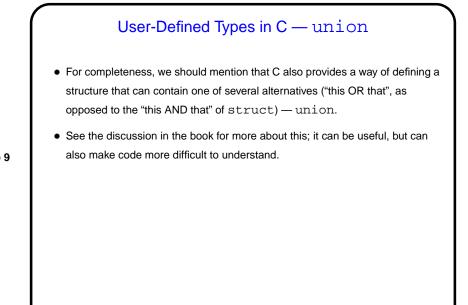


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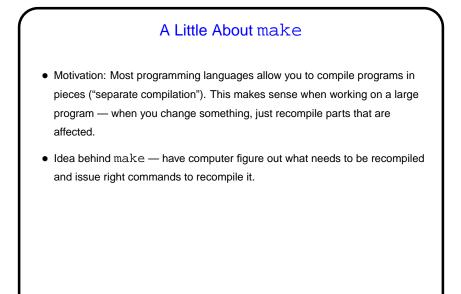


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A Little More About gcc Many, many compiler options for gcc. One of the most useful is -Wall. To automate using them every time, you can use the UNIX utility make ...



Makefiles
First step in using make is to set up "makefile" describing how files that make up your program (source, object, executable, etc.) depend on each other and how to update the ones that are generated from others. Normally call this file Makefile or makefile.
Simple example (assuming main.c #includes defs.h and foo.h):
main: main.o foo.o
 gcc -o main main.o foo.o
 gcc -c main.c
 foo.o: foo.c
 gcc -c foo.c
When you type make, make figures out (based on files' timestamps) which files need to be recreated and how to recreate them.

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