

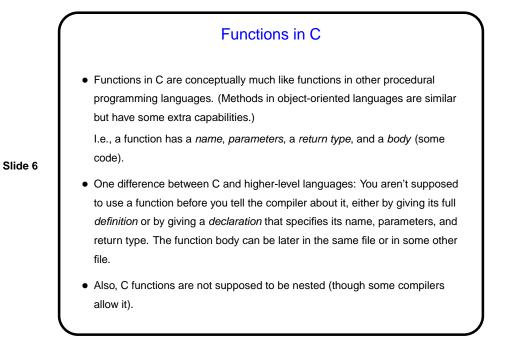
Conditional Expressions
Scala and Python both provide a way to include if/else idea within an expression.
C does too, but it's not as obvious — "ternary operator", e.g., int sign = (x >= 0) ? 1 : -1;

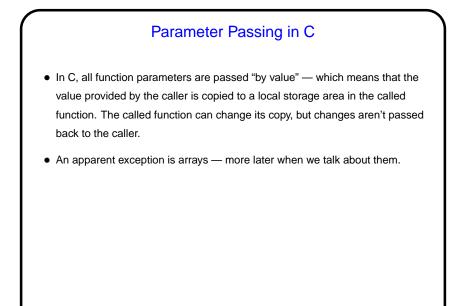
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	Conditional Execution — One More Thing
	 One other conditional-execution construct you may encounter — switch.
	Basically a short form of if/elseif/else. Somewhat like ${\tt match}$ in Scala but
	nowhere near as powerful. Example:
	char c; /* code to set value omitted */
5	switch (c) {
	<pre>case 'a': printf("first case\n"); break;</pre>
	<pre>case 'b': printf("second case\n"); break;</pre>
	<pre>default: printf("default\n");</pre>
	}
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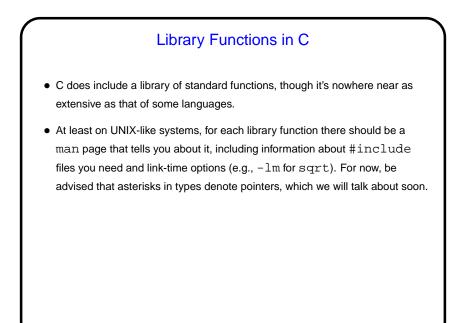




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Functions, Local Variables, and Recursion Functions in C can contain local variables. Every time you call the function, you get a fresh copy of the variables. So yes, recursive functions work the way you (probably?) think they should.

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