





































Scope Rules: Example		
Header file inclusion		
Function declarations		
Global variables		
Function definition Local variable		
Function definition Local variable		
Function definition Local variable		























Debugging
 Source-level Debugger gdb Basic gdb commands
• run - starts the execution of the program in the debugger
 break function_name (or line_number) inserts a breakpoint; program execution will stop at the breakpoint cont
 continues the execution of the program in the debugger list from_line_number, to_line_number
 nsis the current of specified range of nine_numbers print variable_name prints the current value of the variable variable_name
 next – executes the next statement (one statement at a time)
 - exits the debugger (and terminates the program) • help
provides helpful details on debugger commands ECC10: Computational Methods in ECC Learning 14





Scope	Rules: Example
Program example:	Scope.c (part 2/2)
<pre> int add_y(int x) { int s; s = x + y; roturn s; }</pre>	<pre>/* global function definition */ /* local variable */</pre>
<pre>int main(void) { int z;</pre>	<pre>/* main function definition */ /* local variable */</pre>
<pre>z = square(x); z = add_y(z); printf("%d, %d, % return 0; }</pre>	%d\n", x, y, z);
/* EOF */	
EECS10: Computational Methods in ECE	, Lecture 15 (c) 2010 R. Doemer





