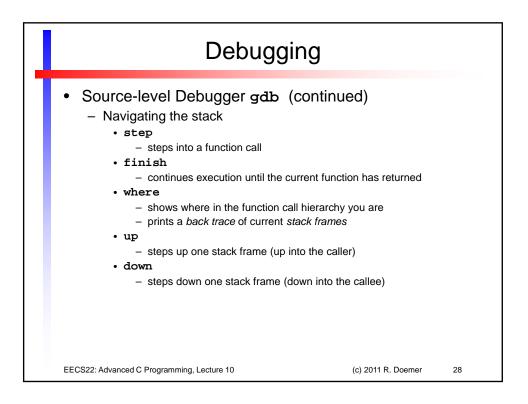
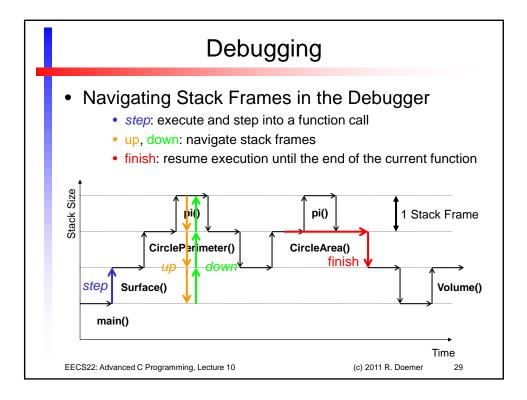


Debugging	
• Example session: Cylinder.c	
<pre>% vi Cylinder.c % gcc Cylinder.c -Wall -ansi -o Cylinder -g % gdb Cylinder GNU gdb (GDB) Red Hat Enterprise Linux (7.0.1-37.el5_7.1) Copyright (C) 2009 Free Software Foundation, Inc.  Reading symbols from /users/faculty/doemer/eecs22/lecture10/Cylinderdone. (gdb) break main Breakpoint 1 at 0x400654: file Cylinder.c, line 48. (gdb) run Starting program: /users/faculty/doemer/eecs22/lecture10/Cylinder Breakpoint 1, main () at Cylinder.c:48 48 printf("Please enter the radius!\n"); (gdb) next Please enter the radius! 49 scanf("%lf", &amp;r);</pre>	
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Example session: Cylinder.c	
•	
(gdb) next	
5	
50 printf("Please enter the	height!\n");
(gdb) print r	
\$1 = 5	
(gdb) cont	
Continuing.	
Please enter the height!	
10	
The surface area is 471.238905.	
The volume is 785.398175.	
Program exited normally.	
(gdb) quit	
8	





<pre>* Example session: Cylinder.c * vi Cylinder.c * gcc Cylinder.c -o Cylinder -Wall -ansi -g * gdb Cylinder GNU gdb 6.3 (gdb) break 55 Breakpoint 1 at 0x108d0: file Cylinder.c, line 55. (gdb) run Starting program: /users/faculty/doemer/eecs10/Cylinder/Cylinder Please enter the radius: 10 Please enter the height: 10 Breakpoint 1 main () at Cylinder giff</pre>	Debugging	
<pre>% gcc Cylinder.c -o Cylinder -Wall -ansi -g % gdb Cylinder GNU gdb 6.3 (gdb) break 55 Breakpoint 1 at 0x108d0: file Cylinder.c, line 55. (gdb) run Starting program: /users/faculty/doemer/eecs10/Cylinder/Cylinder Please enter the radius: 10 Please enter the height: 10</pre>	Example session: Cylinder.c	
<pre>56 s = Surface(r, h); (gdb) step Surface (r=10, h=10) at Cylinder.c:31 31 side = CirclePerimeter(r) * h; (gdb) step CirclePerimeter (r=10) at Cylinder.c:24</pre>	<pre>% gcc Cylinder.c -o Cylinder -Wall -ansi -g % gdb Cylinder GNU gdb 6.3 (gdb) break 55 Breakpoint 1 at 0x108d0: file Cylinder.c, line (gdb) run Starting program: /users/faculty/doemer/eecs10 Please enter the radius: 10 Please enter the height: 10 Breakpoint 1, main () at Cylinder.c:56 56 s = Surface(r, h); (gdb) step Surface (r=10, h=10) at Cylinder.c:31 31 side = CirclePerimeter(r) * h; (gdb) step</pre>	

