









































Make and Makefile			
• Example session: make PhotoLab2			
<pre>% vi Constants.h % vi FileIO.h % vi FileIO.c % vi Age.h % vi Age.c % vi Main.c % vi Makefile</pre>			
<pre>% make gcc -Wall -ansi -s gcc -Wall -ansi -s gcc -Wall -ansi -s gcc -Wall -ansi -s % ./PhotoLab2 % vi Age.c</pre>	td=c99 -c FileI td=c99 -c Age.c td=c99 -c Main. td=c99 FileI0.o	0.c -o FileIO.o -o Age.o c -o Main.o Age.o Main.o -o Photo	Lab2
<pre>% make gcc -Wall -ansi -s gcc -Wall -ansi -s % ./PhotoLab2</pre>	td=c99 -c Age.c td=c99 FileI0.o	-o Age.o Age.o Main.o -o Photo	Lab2
EECS22: Advanced C Programming,	Lecture 11	(c) 2017 R. Doemer	22















Debugging			
<ul> <li>Source-level Debugger gdb <ul> <li>Running the program under debugger control</li> <li>run <ul> <li>starts the execution of the program in the debugger</li> <li>break function_name (or file:line_number)</li> <li>inserts a breakpoint; program execution will stop at the breakpoint</li> <li>cont</li> <li>continues the execution of the program in the debugger</li> </ul> </li> <li>list from_line_number,to_line_number</li> <li>print variable_name <ul> <li>prints the current value of the variable variable_name</li> <li>next</li> <li>executes the next statement (one statement at a time)</li> </ul> </li> </ul></li></ul>			
<ul> <li>exits the debugger (and terminates the program)</li> <li>help</li> </ul>			
<ul> <li>provides helpful details on debugger commands</li> <li>EECS22: Advanced C Programming, Lecture 12 (c) 2017 R. Doemer 30</li> </ul>			























