CSE 303
Concepts and Tools for
Software Development

Richard C. Davis UW CSE – 11/22/2006 Lecture 20 – Debuggers







Role of a Debugger

- Helps you see what's going on in program
- More accurate name: "Execution Monitor"
- Debugger Capabilities
 - Start program with arguments
 - Suspend execution
 - At predefined "breakpoints"
 - Possible to break on some condition
 - Examine suspended state of program
 - Change the values of variables (sometimes)

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5



8











Example: Suspending a Program					
• Approach 2: Place a breakpoint gdb heaptest break heaptest.c:26 run 10 Program received signal SIGINT, Interrupt. 0xffffe410 inkernel_vsyscall () (gdb)					
11/22/2006	CSE 303 Lecture 20	13			











	Reading	
Programm – Chapter 1	ing in C 18: Debugging Programs	
11/22/2006	CSE 303 Lecture 20	19

	Next Time	
 Profilers 		
11/22/2006	CSE 303 Lecture 20	20
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