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 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 lists the current or specified range of line_numbers print variable_name prints the current value of the variable variable_name next executes the next statement (one statement at a time) quit
 help provides helpful details on debugger commands
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Example Program
• Example session: Interest2.c (part 2/6)
<pre> (gdb) break main Breakpoint 1 at 0x106ac: file Interest2.c, line 20. (gdb) run Starting program: /users/faculty/doemer/eecs10/Interest/Interest2 Breakpoint 1, main () at Interest2.c:20 20</pre>
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Example Program
 Example session: Interest2.c (part 4/6)
<pre> 26 for(year = 1; year <= 10; year++) (gdb) next 27 { interest = amount * (rate/100.0); (gdb) print year \$5 = 2 (gdb) list 22 printf("Please enter the interest rate in %%:\n"); 23 scanf("%lf", &rate); 24 25 /* computation and output section */ 26 for(year = 1; year <= 10; year++) 27 { interest = amount * (rate/100.0); 28 balance = amount * (rate/100.0); 29 printf("Interest for year%3d is \$%8.2f.\n", year, interest); 30 printf("The new balance is \$%8.2f.\n", balance); 31 amount = balance; (gdb) list 35 30 printf("The new balance is \$%8.2f.\n", balance); 31 amount = balance; 32 } /* rof */</pre>
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