The GDB Debugger

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Compiling Debugging Symbols

Two steps:

- ► Compile your code with debugging symbols using the "-g" flag:
 - ▶ g++ -g buggy.cpp -o buggy
- ► Load your program with: "gdb ./programName"
 - gdb ./buggy

GDB Commands

Command	Description
help	Display help for a command
break	Set a break point
run	Execute the program (with optional arguments)
step	Execute one line of code
list	Display source code lines
print	Display the current value of a variable
where	Display the call stack
up	Change the focus up one or more functions
down	Change the focus down one or more functions
until	Execute until a line of code (defaults to next line)
finish	Finish executing the current scope
continue	Execute until the next breakpoint
dir	Add a directory to the source file search path
$<\!$ enter $>$	Repeat the last entered command
quit	Exit gdb