

# GDB- The GNU Debugger

<https://www.gnu.org/software/gdb/>

\*\* More about GDB

[https://ftp.gnu.org/old-gnu/Manuals/gdb/html\\_chapter/gdb\\_toc.html](https://ftp.gnu.org/old-gnu/Manuals/gdb/html_chapter/gdb_toc.html)

\*\* GDB Manual

<https://www.gnu.org/home.en.html>

\*\* More about GNU

**How to compile your program to use GDB:**

*gcc -g sourcecode.c -o output\_name*

Command	Abbreviation	Result
<b>gdb</b> ./program_name		Starts GDB with the specific program
<b>quit</b>	q	Quits GDB
<b>run</b>	r	Runs/Starts/Restarts the program
<b>break</b> function_name <b>break</b> file_name:line_number	b	Create breakpoints at the certain functions or lines
<b>disable</b>		Disables all the breakpoints
<b>next</b>	n	Executes the current line and goes to the next one in the current function
<b>step</b>	s	Executes the current line and goes to the next one. If there is a function call, it goes to the called function
<b>continue</b>	c	Executes everything until the next breakpoint
<b>list</b>	l	Shows the surrounding code
<b>print</b> variable_name	p	Prints the value of the variable
<b>watch</b> variable_name		Watch the variable for changes
<b>info locals</b>		Show the locals for the current scope.
<b>help</b> command		Show help file for the command