



# GDB 5k1115

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# Basic commands:

- **run/r <args>**: runs the program with the given arguments
  - run
  - run 1 2 3 4 5
- **break/b**: breaks the program at the point specified
  - b <file>:<line>
  - b <function>
  - b <class name>::<function>
- **list/l**: print out lines of code/instruction
  - l <file>:<function>
  - l <file>:<line>
- **backtrace/bt**: prints out the stack frame use for segfaults
- **frame/f <number>**: move to a function call in the stack
- **print /p <exp>**: print the evaluation of the expression

## **step/s**

Step into next user function.  
Stop before next instruction

## **next/n**

Execute current instruction and stop before next instruction

Continue:

Used to continue execution until next break

# Pro Commands

- **display/disp <exp>**:
  - prints out/evaluate the command after every command in gdb
- **watch <variable/address>**:
  - Set a conditional breakpoint for change
- **disable/enable <breakpoint number>**:
  - Turns the breakpoint on or off
- **info <break/watch/local/args/etc>**:
  - Display info from
- **set var <variable name> = <evaluation>**: SUPPER PRO
- **finish**
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# Layout / TUI

- **layout <name>**

- windows
  - src
  - asm
  - split
  - regs
- movement
  - next
  - Prev

- **Focus <name>**

- works with all above
- cmd

**Ctrl-I** or **refresh**: refresh tui

# Assembly

nexti/ni

stepi/si

break \*<function> <+offset>

info regs

p/x \$<register>

lay asm/reg

tui reg <group>

general

float

system

vector

all

:move: next / prev