

How to use?

1. Compile your program with -g flag

```
gcc -g -Wall -Wextra -Werror

/ ~/Desktop/42/Piscine/C01/ex03 master ?87

> gcc -g -Wall -Werror -Wextra ft_div_mod.c main.c
```

2. Launch your program in Ildb

```
lldb so_long "maps/42.ber"

or

lldb a.out

//Desktop/42/Piscipe/C01/ex03 master 288
```

```
~/Desktop/42/Piscine/C01/ex03 master ?88
> lldb a.out
(lldb) target create "a.out"
Current executable set to '/Users/vkatason/Desktop/42/Piscine/C01/ex03/a.out' (x 86_64).
(lldb)
```

3. **breakpoint set [file:]line_number -** put breakpoint where you want. By default you can just put it on the main like this

```
b main
```

```
(lldb) b main
Breakpoint 1: where = a.out`main + 15 at main.c:25:7, address = 0x0000000100003f
2f
(lldb) ■
```

4. Run Ildb with **run [arg1 arg2 ...]** or without arguments (if you used arguments at the step 2, don't use it again)

```
run
```

5. Run graphic user interface

```
gui
```

```
(lldb) gui
(lldb) ■
```

You will have this result (use s or n controls to look through your programm)

```
LLDB (F1) | Target (F2) | Process (F3) | Thread (F4) | View (F5) | Help (F6) |
                                                                                                  <Threads>
   <Sources>
          ft_div_mod
                                                                                                 ◆—process 19564
        :+: :+:
+:+ +:+
+#+ +:+ +:
+#+#+#+#+ +#+
#+# #+#
            ft_div_mod.c
                                                                          #+# #+#
### #######.
             Created: 2022/08/22 15:26:36 by vkatason Updated: 2022/08/23 12:21:44 by vkatason
  10
11
12
13
14
15
16
17
18
        *div = a / b;
*mod = a % b;
 (int) a = 8
(int) b = 2

← (int *) div = 0x00007ffeefbff700

← (int *) mod = 0x00007ffeefbff6fc
Process: 19564
                                                 Thread: 0x83e85e
                                                                        Frame: 0 PC = 0x0000000100003f1c
```

LLDB Controls

s (step)	Step one line of code, entering function calls
n (next)	Step one line of code, skipping function calls
c (continue)	Resume execution of the debugged program
p (print)	Evaluates and prints the value of the specified expression
bt (backtrace)	Prints a stack trace of the current execution context
Ctrl-A / Home	Move the cursor to the beginning of the line
Ctrl-E / End	Move the cursor to the end of the line.
Ctrl-L	Clear the screen
Tab	Autocomplete commands and arguments
Ctrl-D	Exit LLDB