

Activities ebe Tue 09:15

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Command line

hello.asm hello.asm cse313/hello.s hello.asm cse313/hello.s hello.asm hello.s

```
1 segment .data
2 msg: db 'Hello World!',0x0a
3 len: equ $-msg
4
5 segment .text
6 global main
7 extern write, exit
8
9 main:
10 push rbp
11 mov rbp, rsp
12
13 mov edx, len
14 lea rsi, [msg]
15 mov edi, 1
16 call write
17
18 xor edi, edi
19 call exit
```

Registers

| Register | Value | Register | Value |
|----------|-------|----------|-------|
| rax      | 0     | rsi      | 0     |
| rbx      | 0     | r8       | 0     |
| rcx      | 0     | r9       | 0     |
| rdx      | 0     | r10      | 0     |
| rip      | 0     | r11      | 0     |
|          |       | r12      | 0     |
|          |       | r13      | 0     |
|          |       | r14      | 0     |
|          |       | r15      | 0     |
|          |       | eflags   | 0     |

Terminal

Hello World!

Input  Clear output

Console

```
print/x $xmm11.v2_int64
No registers.
(gdb)
print/x $xmm12.v2_int64
No registers.
(gdb)
print/x $xmm13.v2_int64
No registers.
(gdb)
print/x $xmm14.v2_int64
No registers.
(gdb)
print/x $xmm15.v2_int64
No registers.
(gdb)
set width 80
(gdb)
```

gdb command

line 3, column 24