

Activities ebe Tue 09:15

File Edit Move View Font Help

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
rax 0xd	0x60207c
rbx 0x0	0x1
rcx 0x7ffff77817a4	0x7fffffe0c0
rdx 0xd	0x7fffffe0c0
rsi 0x400bcb	0x0

Terminal

Hello World!

Input Clear output

Console

```
0x7fffffe0d0: 0xb8 0xe1
0xff 0xff 0xff 0x7f
0x00 0x00
0x7fffffe0d8: 0xa8 0xe1
0xff 0xff 0xff 0x7f
0x00 0x00
0x7fffffe0e0: 0x00 0x00
0x00 0x00 0x01 0x00
0x00 0x00
0x7fffffe0e8: 0xb0 0x0b
0x40 0x00 0x00 0x00
0x00 0x00
0x7fffffe0f0: 0x00 0x00
0x00 0x00 0x00 0x00
0x00 0x00
0x7fffffe0f8: 0x33 0xee
0x72 0xde 0x1c 0xab
0x35 0xc4
(gdb)
frame 0
#0 0x0000000000400bcb in main ()
(gdb)
```

gdb command

0.5 123 abc

line 3, column 24