

Activities  ebe ▼

Tue 09:20

ebe

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Data

Name	Type	Value
globals		
-stack	unsigned long *	7ffff76bb400bb0
main		

Registers

rax	0x400bb0	rsi	0x7fffffffffffa8
rbx	0x0	rdi	0x1
rcx	0x0	rbp	0x400bf0
rdx	0x7fffffffffffb8	rsp	0x7ffffffffffc08
rdi	0x400bb0	eflags	0x0

Terminal

Input  Clear output

Console

0x7ffffffffff0d8: 0xa8 0xe1

0xff 0xff 0xff 0x7f

0x00 0x00

0x7ffffffffff0e0: 0x00 0x00

0x00 0x00 0x01 0x00

0x00 0x00

0x7ffffffffff0e8: 0xb0 0x0b

0x40 0x00 0x00 0x00

0x00 0x00

0x7ffffffffff0f0: 0x00 0x00

0x00 0x00 0x00 0x00

0x00 0x00

0x7ffffffffff0f8: 0x0e 0xe0

0x16 0xce 0x0f 0xb4

0x0d 0xa9

0x7ffffffffff100: 0x80 0x09

0x40 0x00 0x00 0x00

0x00 0x00

(gdb)

frame 0

#0 0x0000000000400bb0 in main ()

(gdb)

gdb command

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      x: dq 0
5      y: dq 0
6
7      segment .text
8      global main
9      extern write, exit
10     main:
11     push rbp
12     mov rbp, rsp
13
14     mov edx, len
15     lea rsi, [msg]
16     mov edi, 1
17     call write
18
19     mov rax, [x]
20     mov rdx, 0
21     idiv qword [y]
22     xor rax, rax
23
24
25     xor edi, edi
26     call exit
```

>>> cin

<<< cout

0.5

123

abc