

Activities ebe ▼

Tue 09:21

ebe ×

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Data

Name	Type	Value
globals		
stack	unsigned long * 400bf0	10000000c
main		

Registers

rax 0x0	rsi 0x60207c	:
rbx 0x0	rdi 0x1	:
rcx 0x7ffff77817a4	rbp 0x7fffffe0c0	:
rdx 0x0	rsp 0x7fffffe0c0	:
rip 0x400b48	eflags 0x0	:

Terminal

Hello World!

Input Clear output

Console

0x7fffffe0d0:	0xb8	0xe1
0xff	0xff	0x7f
0x00	0x00	
0x7fffffe0d8:	0xa8	0xe1
0xff	0xff	0x7f
0x00	0x00	
0x7fffffe0e0:	0x00	0x00
0x00	0x00	0x01
0x00	0x00	
0x7fffffe0e8:	0xb0	0x0b
0x40	0x00	0x00
0x00	0x00	
0x7fffffe0f0:	0x00	0x00
0x00	0x00	0x00
0x00	0x00	
0x7fffffe0f8:	0x11	0xa1
0x9b	0xc2	0x89
0xca	0x99	

(gdb)

frame 0

#0 0x000000000400bd8 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
11 main:
12     push rbp
13     mov rbp, rsp
14
15     mov edx, len
16     lea rsi, [msg]
17     mov edi, 1
18     call write
19
20     mov rax, [x]
21     mov rdx, 0
22     idiv qword [y]
23     xor rax, rax
24
25     xor edi, edi
26     call exit
```

Error ×

Program received signal SIGFPE, Arithmetic exception.

OK

>> cin

<< cout

0.5

123

abc

line 21, column 24