

C:\Users\Hoang Minh Ngoc\Downloads\bai2.asm - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

Registers Coproc 1 Coproc 0

Name	Number	Value
\$zero	0	0
\$at	1	0
\$v0	2	0
\$v1	3	0
\$a0	4	0
\$a1	5	0
\$a2	6	0
\$a3	7	0
\$t0	8	0
\$t1	9	0
\$t2	10	0
\$t3	11	0
\$t4	12	0
\$t5	13	0
\$t6	14	0
\$t7	15	0
\$s0	16	0
\$s1	17	0
\$s2	18	0
\$s3	19	0
\$s4	20	0
\$s5	21	0
\$s6	22	0
\$s7	23	0
\$t8	24	0
\$t9	25	0
\$k0	26	0
\$k1	27	0
\$gp	28	268469224
\$sp	29	2147479548
\$fp	30	0
\$ra	31	0
pc		4194304
hi		0
lo		0

```
1 .data # Vung du lieu, chus cac khai bao bien
2 sr: word $01020304 # bien s, khoi tao gia tri
3 message: .word $ "Hoang Minh Ngoc 20200840"
4 .text # Vung lenh, chus cac lenh hop ngu
5 la $a0, message #Dua dia chi bien message vao thanh ghi a0
6 li $v0, 4 #Gan thanh ghi $v0 = 4
7 syscall #Goi ham so v0, ham so 4, la ham print
8
9 addi $t1,$zero,2 #Thanh ghi $t1 = 2
10 addi $t2,$zero,3 #Thanh ghi $t2 = 3
11 add $t0, $t1, $t2 #Thanh ghi $t0 = $t1 + $t2
12
```

Line: 3 Column: 38 [x] Show Line Numbers

Mars Messages Run I/O

Go: execution terminated by null instruction.

Clear

Assemble: assembling C:\Users\Hoang Minh Ngoc\Downloads\bai2.asm

Assemble: operation completed successfully.

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\$t6	14	0
\$t7	15	0
\$s0	16	0
\$s1	17	0
\$s2	18	0
\$s3	19	0
\$s4	20	0
\$s5	21	0
\$s6	22	0
\$s7	23	0
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\$fp	30	0
\$ra	31	0
pc		4194304
hi		0
lo		0

Text Segment

Addr	Code	Basic	Source
4194304	0x3c011001	lui \$t1,4097	5: la \$a0, message #Dua dia chi bien message vao thanh ghi a0
4194308	0x34240004	ori \$4,\$t1,4	
4194312	0x24020004	addiu \$2,\$0,4	6: li \$v0, 4 #Gan thanh ghi \$v0 = 4
4194316	0x0000000c	syscall	7: syscall #Goi ham so v0, ham so 4, la ham print
4194320	0x20090002	addi \$9,\$0,2	9: addi \$t1,\$zero,2 #Thanh ghi \$t1 = 2
4194324	0x200a0003	addi \$10,\$0,3	10: addi \$t2,\$zero,3 #Thanh ghi \$t2 = 3
4194328	0x012a4020	add \$8,\$9,\$10	11: add \$t0, \$t1, \$t2

Labels

Label	Address
bai2.asm	268500992
message	268500996

Data Segment

Address	Value (+0)	Value (+4)	Value (+8)	Value (+12)	Value (+16)	Value (+20)	Value (+24)	Value (+28)
268500992	...	n a o m	i m g	N h n	s o g	0 2 0 2	0 4 4 0	...
268501024
268501056
268501088
268501120
268501152
268501184
268501216
268501248
268501280

Mars Messages Run I/O

Assemble: operation completed successfully.

Clear

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