

C:\Users\bassa\OneDrive\المستندات\MyMips\MEasm\* - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

ME.asm\* mips1.asm

```

1 .data
2 introduction: .asciiz "My name is: Bassam\n-This program will perform simple arithmetic on two integers inputted by user."
3 prompt1: .asciiz "Enter first number:"
4 prompt2: .asciiz "Enter second number:"
5 sum: .asciiz "Sum ="
6 difference: .asciiz "\nDifference ="
7 product: .asciiz "\nProduct ="
8 quotient: .asciiz "\nQuotient ="
9 end: .asciiz "\n\nThank You!"
10 .text
11
12 li $v0,4
13 la $a0,introduction
14 syscall
15
16 li $v0,4
17 la $a0,prompt1
18 syscall
19
20
21
22 li $v0,5
23 syscall
24
25

```

Line: 19 Column: 5 Show Line Numbers

Mars Messages Run I/O

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
\$s8	24	0
\$s9	25	0
\$k0	26	0
\$k1	27	0
\$gp	28	268468224
\$sp	29	2147479540
\$fp	30	0
\$ra	31	0

27°C عالم بلبه

6:33 PM 1/11/2023

C:\Users\bassa\OneDrive\المستندات\MyMips\MEasm\* - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

ME.asm\* mips1.asm

```

26 move $t0,$v0
27
28
29 li $v0,4
30 la $a0,prompt2
31 syscall
32
33
34 li $v0,5
35 syscall
36
37
38 move $t1,$v0
39
40
41 add $t2,$t0,$t1
42
43
44 li $v0,4
45 la $a0,sum
46 syscall
47
48 li $v0,1
49 move $a0,$t2
50 syscall
51

```

Line: 25 Column: 1 Show Line Numbers

Mars Messages Run I/O

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
\$s8	24	0
\$s9	25	0
\$k0	26	0
\$k1	27	0
\$gp	28	268468224
\$sp	29	2147479540
\$fp	30	0
\$ra	31	0

27°C عالم بلبه

6:34 PM 1/11/2023

C:\Users\bassa\OneDrive\المستندات\MyMips\ME.asm\* - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

ME.asm\* mips1.asm

```

51      sub $t3,$t0,$t1
52
53
54
55      li $v0,4
56      la $a0,difference
57      syscall
58      li $v0,1
59      move $a0,$t3
60      syscall
61
62
63      mul $t4,$t0,$t1
64
65
66      li $v0,4
67      la $a0,product
68      syscall
69
70      li $v0,1
71      move $a0,$t4
72      syscall
73
74
75

```

Line: 50 Column: 1 Show Line Numbers

Mars Messages Run I/O

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
\$s8	24		0
\$s9	25		0
\$t0	26		0
\$t1	27		0
\$gp	28		268468224
\$sp	29		2147479548
\$fp	30		0
\$ra	31		0

27°C عالم غلبا

6:35 PM 1/11/2023

C:\Users\bassa\OneDrive\المستندات\MyMips\ME.asm\* - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

ME.asm\* mips1.asm

```

76      div $t5,$t0,$t1
77
78
79      li $v0,4
80      la $a0,quotient
81      syscall
82
83      li $v0,1
84      add $a0,$zero,$t5
85      syscall
86
87
88      li $v0,4
89      la $a0,end
90      syscall
91
92
93
94
95
96
97
98
99
100

```

Line: 76 Column: 5 Show Line Numbers

Mars Messages Run I/O

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
\$s8	24		0
\$s9	25		0
\$t0	26		0
\$t1	27		0
\$gp	28		268468224
\$sp	29		2147479548
\$fp	30		0
\$ra	31		0

26°C عالم حزان

6:35 PM 1/11/2023

C:\Users\bassa\OneDrive\المستندات\MyMips\ME.asm - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

Mars Messages Run IO

```
My name is: Bassam
--This program will perform simple arithmetic on two integers inputted by user.

Enter first number:10
Enter second number:7
Sum =25
Difference =11
Product =126
Quotient =2

Thank You!
-- program is finished running (dropped off bottom) --
```

Clear

Registers		Coproc 1	Coproc 0
Name	Number		Value
\$0 (vaddr)	0		0
\$12 (status)	12		65297
\$13 (cause)	13		0
\$14 (epc)	14		0

26°C  
عالم حزين

Search

ENG US

6:37 PM  
1/11/2023