

File Edit Search View Options Help

C:\MASMA3.ASM

```
.model small
.data
a db 30h
b db 20h
c db ?
.code
    mov ax,@data
    mov ds,ax
    mov al,a
    sub al,b
    mov c,al
    mov ah,4ch
    int 21h
end
```

File Edit View Search Run Watch Options Calls

Help

local

source1 CS:IP (ACTIVE)

052A:0000	B82B05	MOV	AX,052B
052A:0003	8ED8	MOV	DS,AX
052A:0005	A00400	MOV	AL,Byte Ptr [0004]
052A:0008	2A060500	SUB	AL,Byte Ptr [0005]
052A:000C	A20600	MOV	Byte Ptr [0006],AL
052A:000F	B44C	MOV	AH,4C
052A:0011	CD21	INT	21
052A:0013	0030	ADD	Byte Ptr [BX+SI],DH
052A:0015	2000	AND	Byte Ptr [BX+SI],AL
052A:0017	B9028C	MOV	CX,8C02

command

051A:0000	CD 20 FF 9F 00 EA FF FF-AD DE 6C 02 CD 03 32 03	. . . .
051A:0010	CD 03 4B 0A CD 03 FF 04-01 01 01 00 02 03 FF FF	..K..
051A:0020	FF FF FF FF FF FF FF FF-FF FF FF FF 10 05 00 00	.....
051A:0030	00 00 14 00 18 00 1A 05-FF FF FF FF 00 00 00 00	.....
051A:0040	05 00 00 00 00 00 00 00-00 00 00 00 00 00 00	.....
051A:0050	CD 21 CB 00 00 00 00 00-00 00 00 00 00 00 00	..!...
051A:0060	00 00 00 00 00 00 00 00-00 00 00 00 00 00 00	.....
051A:0070	00 00 00 00 00 00 00 00-00 00 00 00 00 00 00	.....

AX	=	0000
BX	=	0000
CX	=	0000
DX	=	0000
SP	=	0000
BP	=	0000
SI	=	0000
DI	=	0000
DS	=	051A
ES	=	051A
SS	=	0529
CS	=	052A
IP	=	0000
FL	=	0200

NU	UP	EI	PL
NZ	NA	PO	NC

&lt;F8=Trace&gt; &lt;F10=Step&gt; &lt;F5=Go&gt; &lt;F6=Window&gt; &lt;F3=Display&gt;



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C:\MASM\A3.ASM

```
.model small
.data
a dw 1400
b dw 60
c dw ?
.code
    mov ax,@data
    mov ds,ax
    mov ax,a
    sub ax,b
    mov c,ax
    mov ah,4ch
    int 21h
end
```

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Help

local										reg	
source1 CS:IP (ACTIVE)											
052A:0000	B82B05	MOV	AX,052B							AX	= 0000
052A:0003	8ED8	MOV	DS,AX							BX	= 0000
052A:0005	A10400	MOV	AX,Word Ptr [0004]							CX	= 0000
052A:0008	2B060600	SUB	AX,Word Ptr [0006]							DX	= 0000
052A:000C	A30800	MOV	Word Ptr [0008],AX							SP	= 0000
052A:000F	B44C	MOV	AH,4C							BP	= 0000
052A:0011	CD21	INT	21							SI	= 0000
052A:0013	007805	ADD	Byte Ptr [BX+SI+05],BH							DI	= 0000
052A:0016	3C00	CMP	AL,00							DS	= 051A
052A:0018	0000	ADD	Byte Ptr [BX+SI],AL							ES	= 051A
command										SS	= 0529
051A:0000	CD 20 FF 9F 00 EA FF FF	AD DE 6C 02 CD 03 32 03	.....		IP	= 0000					
051A:0010	CD 03 4B 0A CD 03 FF 04-01 01 01 00 02 03 FF FF	..K..		FL	= 0200						
051A:0020	FF FF FF FF FF FF FF FF	FF FF FF 10 05 00 00	.....								
051A:0030	00 00 14 00 18 00 1A 05-FF FF FF FF 00 00 00 00	.....		NU UP EI PL							
051A:0040	05 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00	.....		NZ NA PO NC							
051A:0050	CD 21 CB 00 00 00 00 00-00 00 00 00 00 00 00 00	.!...									
051A:0060	00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00	.....									
051A:0070	00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00	.....									
>											

<F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Display>



File Edit Search View Options Help

C:\MASM\MULTTWO.ASM

```
.model small
.data
num1 db 50h
num2 db 25h
res dw ?

.code
mov ax,@data
mov ds,ax
mov al,num1
mul num2
mov res,ax
mov ah,4ch
int 21h
end
```



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local

source1 CS:IP (ACTIVE)

052A:0000	B82B05	MOV	AX,052B
052A:0003	8ED8	MOV	DS,AX
052A:0005	A00400	MOV	AL,Byte Ptr [0004]
052A:0008	F6260500	MUL	Byte Ptr [0005]
052A:000C	A30600	MOV	Word Ptr [0006],AX
052A:000F	B44C	MOV	AH,4C
052A:0011	CD21	INT	21
052A:0013	005025	ADD	Byte Ptr [BX+SI+25],DL
052A:0016	0000	ADD	Byte Ptr [BX+SI],AL
052A:0018	028CDAE8	ADD	CL,Byte Ptr [SI-1726]

reg

AX	=	0000
BX	=	0000
CX	=	0000
DX	=	0000
SP	=	0000
BP	=	0000
SI	=	0000
DI	=	0000
DS	=	051A
ES	=	051A
SS	=	0529
CS	=	052A
IP	=	0000
FL	=	0200

command

051A:0000	CD 20 FF 9F 00 EA FF FF	-AD DE 6C 02 CD 03 32 03	...
051A:0010	CD 03 4B 0A CD 03 FF 04	-01 01 01 00 02 03 FF FF	..K..
051A:0020	FF FF FF FF FF FF FF FF	-FF FF FF FF 10 05 00 00	.....
051A:0030	00 00 14 00 18 00 1A 05	-FF FF FF FF 00 00 00 00	.....
051A:0040	05 00 00 00 00 00 00 00	-00 00 00 00 00 00 00 00	.....
051A:0050	CD 21 CB 00 00 00 00 00	-00 00 00 00 00 00 00 00	..!...
051A:0060	00 00 00 00 00 00 00 00	-00 00 00 00 00 00 00 00	.....
051A:0070	00 00 00 00 00 00 00 00	-00 00 00 00 00 00 00 00	.....

NU UP EI PL

NZ NA PO NC



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C:\MASM\DIUTWO.ASM

```
.model small
.data
num1 dw 1250
num2 db 50
quot db ?
rem db ?
.code
mov ax,@data
mov ds,ax
mov al,num2
div num1
mov quot,al
mov rem,ah
mov ah,4ch
int 21h
end
```

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Help

local

source1 CS:IP (ACTIVE)

Address	Hex	Op	Comment
052A:0000	B82B05	MOV	AX,052B
052A:0003	8ED8	MOV	DS,AX
052A:0005	A00A00	MOV	AL,Byte Ptr [000A]
052A:0008	F7360800	DIV	Word Ptr [0008]
052A:000C	A20B00	MOV	Byte Ptr [000B],AL
052A:000F	B8260C00	MOV	Byte Ptr [000C],AH
052A:0013	B44C	MOV	AH,4C
052A:0015	CD21	INT	21
052A:0017	00E2	ADD	DL,AH
052A:0019	0432	ADD	AL,32

command

Address	Hex	Op	Comment
051A:0000	CD 20 FF 9F 00 EA FF FF	AD DE 6C 02 CD 03 32 03	...
051A:0010	CD 03 4B 0A CD 03 FF 04	01 01 00 02 03 FF FF	..K..
051A:0020	FF FF FF FF FF FF FF	FF FF FF 10 05 00 00	.....
051A:0030	00 00 14 00 18 00 1A 05	FF FF FF 00 00 00 00	.....
051A:0040	05 00 00 00 00 00 00 00	00 00 00 00 00 00 00	.....
051A:0050	CD 21 CB 00 00 00 00 00	00 00 00 00 00 00 00	..!...
051A:0060	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00	.....
051A:0070	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00	.....

reg	value
AX	= 0000
BX	= 0000
CX	= 0000
DX	= 0000
SP	= 0000
BP	= 0000
SI	= 0000
DI	= 0000
DS	= 051A
ES	= 051A
SS	= 0529
CS	= 052A
IP	= 0000
FL	= 0200

NU	UP	EI	PL
NZ	NA	PO	NC