

```
data
a db 12
b db 25
c db ?

code
    mov ax,@data
    mov ds,ax

    mov al,a
    add al,b
    mov c,al
    mov ah,4ch
    int 21h
end
```


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DOSBox 0.74-1 Cpu speed max 100% cycles, F...



File	Edit	View	Search	Run	Watch	Options	Calls	Help
local								reg-10
source1 CS:IP (ACTIVE)								
052A:0000	002005	MOV	AX,0520	AX = 0000				
052A:0003	0ED0	MOV	DS,AX	BX = 0000				
052A:0005	A00400	MOV	AL,Byte Ptr [0004]	CX = 0000				
052A:0008	02060500	ADD	AL,Byte Ptr [0005]	DX = 0000				
052A:000C	A20600	MOV	Byte Ptr [0006],AL	SP = 0000				
052A:000F	B44C	MOV	AH,4C	BP = 0000				
052A:0011	CD21	INT	21	SI = 0000				
052A:0013	000C	ADD	Byte Ptr [SI],CL	DI = 0000				
052A:0015	1900	SBB	Word Ptr [BX+SI],AX	DS = 051A				
052A:0017	B902BC	MOV	CX,8002	ES = 051A				
052A:001A	DAE8	???		SS = 0529				
052A:001C	AB	STOSW		CS = 052A				
052A:001D	02B792B9	ADD	DH,Byte Ptr [BX-466E]	IP = 0000				
052A:0021	FFFF	???	DI	FL = 0200				
052A:0023	B04000	MOV	AX,0040					
052A:0026	EB9902	CALL	02D2					
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..				
(F8=Trace) (F10=Step) (F5=Go) (F6=Window) (F3=Display)								

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DOSBox 0.74-3, Cpu speed: 3000 cycles, Fram... —

File Edit Search View Options Help

C:\MASMA1.ASM

```
.model small
.data
a dw 1234
b dw 2567
c dw ?
.code
    mov ax,@data
    mov ds,ax

    mov ax,a
    add ax,b
    mov c,ax
    mov ah,4ch
    int 21h
end
```


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DOSBox 0.74-3, Cpu speed: max 100% cycles, Fr...

File	Edit	View	Search	Run	Watch	Options	Calls	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	03060600	ADD	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	00D2	ADD	DL,DL					DI = 0000
052A:0015	0407	ADD	AL,07					DS = 051A
052A:0017	0A00	OR	AL,Byte Ptr [BX+SI]					ES = 051A
052A:0019	00DA	ADD	DL,BL					SS = 0529
052A:001B	E8AB02	CALL	02C9					CS = 052A
052A:001E	B792	MOV	BH,92					IP = 0000
052A:0020	B9FFFF	MOV	CX,FFFF					FL = 0200
052A:0023	B84800	MOV	AX,0048					
052A:0026	E8A902	CALL	02D2					
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 00 02 03 FF FF						
								NU UP EI PL NZ NA PO NC

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