

cessor Lab C3 Batch

Stream

Classwork



DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT



File Edit Search View Options Help

C:\MASM\A1.ASM

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

DOSBox Status Window

DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Program: CV

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 C01E140A	ADD	Byte Ptr [0A14],BL
052A:0017 B9028C	MOV	CX,8002
052A:001A DAE8	???	
052A:001C AB	STOSW	
052A:001D 02B792B9	ADD	DH,Byte Ptr [BX-466E]

command

052B:0000 4C CD 21 00 1E 14 0A B9-02 8C DA E8 AB 02 B7 92 L. !.....
052B:0010 B9 FF FF B8 48 00 E8 A9-02 8B 16 E4 01 E8 99 02 ...H.....
052B:0020 B7 92 B9 FF FF B8 20 00-E8 97 02 C7 06 E6 01 20

>

DOSBox Status Window

DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program

File Edit Search View Options Help

C:\MASMNA1.ASM

```
.model small
.data
a db 5
b db 2
c dw ?
.code
    mov ax,@data
    mov ds,ax
    mov al,a
    mul b
    mov c,ax
    mov ah,4ch
    int 21h
end
```

classroom.google.com/u/1/c/MTYwODMyMjMwMDQw

Processor Lab C3 Batch

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Classwork

DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Program: CV

File Edit View Search Run Watch Options Calls

Help

		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	MOU Word Ptr [0006],AX
052A:000F	B44C	MOU AH,4C
052A:0011	CD21	INT 21
052A:0013	0005	ADD Byte Ptr [DI],AL
052A:0015	020A	ADD CL,Byte Ptr [BP+SII]
052A:0017	0002	ADD Byte Ptr [BP+SII],AL
052A:0019	8CDC	MOU DX,DS
052A:001B	EBAB02	CALL 02C9

—Command

```
052B:0000  4C CD 21 00 05 02 0A 00-02 8C DA E8 AB 02 B7 92  L. .....
052B:0010  B9 FF FF B9 48 00 E8 A9-02 8B 16 E4 01 E8 99 02  . . H. .....
052B:0020  B7 92 B9 FF FF B8 20 00-E8 97 02 C7 06 E6 01 20  . . .
>
```

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

Join this link for Microprocessor lab C3 batch

DOSBox Status Window

DOS
BOX

DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: B

File Edit Search View Options Help

C:\MASM\A1.ASM

```
.model small
.data
a dw 1234
b db 67
quot db ?
rem db ?
.code
    mov ax,@data
    mov ds,ax
    mov al,a
    div a
    mov quot,al
    mov rem,ah
    mov ah,4ch
    int 21h
end
```

