

```

File Edit Search View Options Help
C:\MASM\A3.ASM

.model small
.data
a db 30h
b db 20h
c db ?
.code
    mov ax,0data
    mov ds,ax
    mov al,a
    sub al,b
    mov c,al
    mov ah,4ch
    int 21h
end

Commands for manipulating files

```

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	A00400	MOV	AL,Byte Ptr [0004]					CX = 0000
052A:0008	2A060500	SUB	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	0030	ADD	Byte Ptr [BX+SI],DH					DI = 0000
052A:0015	2000	AND	Byte Ptr [BX+SI],AL					DS = 051A
052A:0017	B9028C	MOV	CX,8C02					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	B84800	MOV	AX,0048					NU UP EI PL
052A:0026	E8A902	CALL	02D2					NZ NA PO NC
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> <ESC=Cancel>								

```

File Edit Search View Options Help
C:\MASMA4.ASM
.model small
.data
a dw 1400
b dw 60
c dw ?
.code
    mov ax,0data
    mov ds,ax
    mov ax,a
    sub ax,b
    mov c,ax
    mov ah,4ch
    int 21h
    end

```

Commands for manipulating files

```

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 A10400 MOV AX,Word Ptr [0004]
052A:0008 2B060600 SUB AX,Word Ptr [0006]
052A:000C A30800 MOV Word Ptr [0008],AX
052A:000F B44C MOV AH,4C
052A:0011 CD21 INT 21
052A:0013 007805 ADD Byte Ptr [BX+SI+05],BH
052A:0016 3C00 CMP AL,00
052A:0018 0000 ADD Byte Ptr [BX+SI],AL
052A:001A DAE8 ???
052A:001C AB STOSW
052A:001D 02B792B9 ADD DH,Byte Ptr [BX-466E]
052A:0021 FFFF ??? DI
052A:0023 B84800 MOV AX,0048
052A:0026 E8A902 CALL 02D2

```

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

```

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> <ESC=Cancel>

```

File Edit Search View Options Help
C:\MASMNA5.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

```

Commands for manipulating files

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	A00A00	MOV	AL,Byte Ptr [000A]					CX = 0000
052A:0008	F7360800	DIV	Word Ptr [0008]					DX = 0000
052A:000C	A20B00	MOV	Byte Ptr [000B],AL					SP = 0000
052A:000F	8B260C00	MOV	Byte Ptr [000C],AH					BP = 0000
052A:0013	B44C	MOV	AH,4C					SI = 0000
052A:0015	CD21	INT	21					DI = 0000
052A:0017	00E2	ADD	DL,AH					DS = 051A
052A:0019	0432	ADD	AL,32					ES = 051A
052A:001B	0000	ADD	Byte Ptr [BX+SI],AL					SS = 0529
052A:001D	02B792B9	ADD	DH,Byte Ptr [BX-466E]					CS = 052A
052A:0021	FFFF	???	DI					IP = 0000
052A:0023	B84800	MOV	AX,0048					FL = 0200
052A:0026	E8A902	CALL	02D2					NU UP EI PL
052A:0029	8B16E401	MOV	DX,Word Ptr [01E4]					NZ NA PO NC
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..						
<p>&lt;F8=Trace&gt; &lt;F10=Step&gt; &lt;F5=Go&gt; &lt;F6=Window&gt; &lt;F3=Display&gt; &lt;ESC=Cancel&gt;</p>								

```

File Edit Search View Options Help
C:\MASMA6.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

Commands for manipulating files

```

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	A00A00	MOV	AL,Byte Ptr [000A]
052A:0008	F7360800	DIV	Word Ptr [0008]
052A:000C	A20B00	MOV	Byte Ptr [000B],AL
052A:000F	88260C00	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
052A:001B	0000	ADD	Byte Ptr [BX+SI],AL
052A:001D	02B792B9	ADD	DH,Byte Ptr [BX-466E]
052A:0021	FFFF	???	DI
052A:0023	B84800	MOV	AX,0048
052A:0026	E8A902	CALL	02D2
052A:0029	8B16E401	MOV	DX,Word Ptr [01E4]
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..	
>			
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			
<F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Display> <ESC=Cancel>			