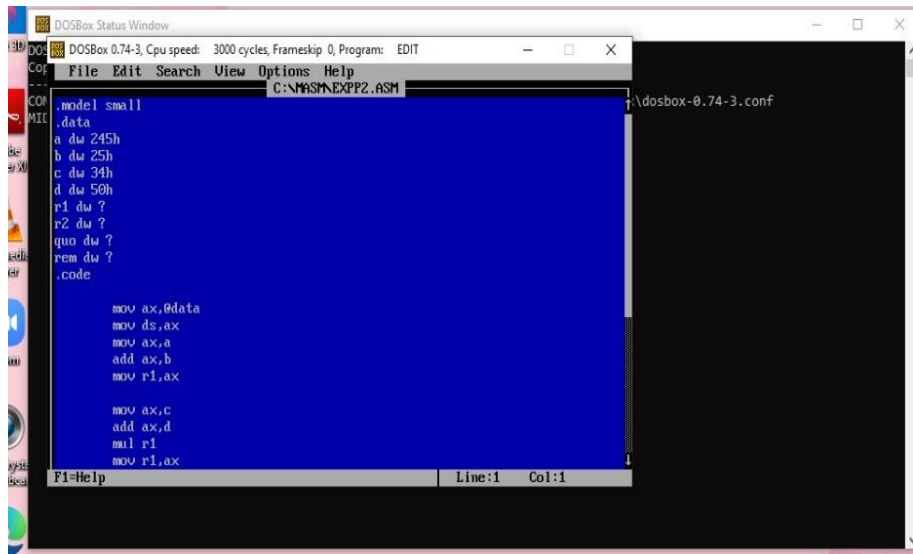


Program :  $\text{exp2} = (a+b) * (c+d) / (b+d)$



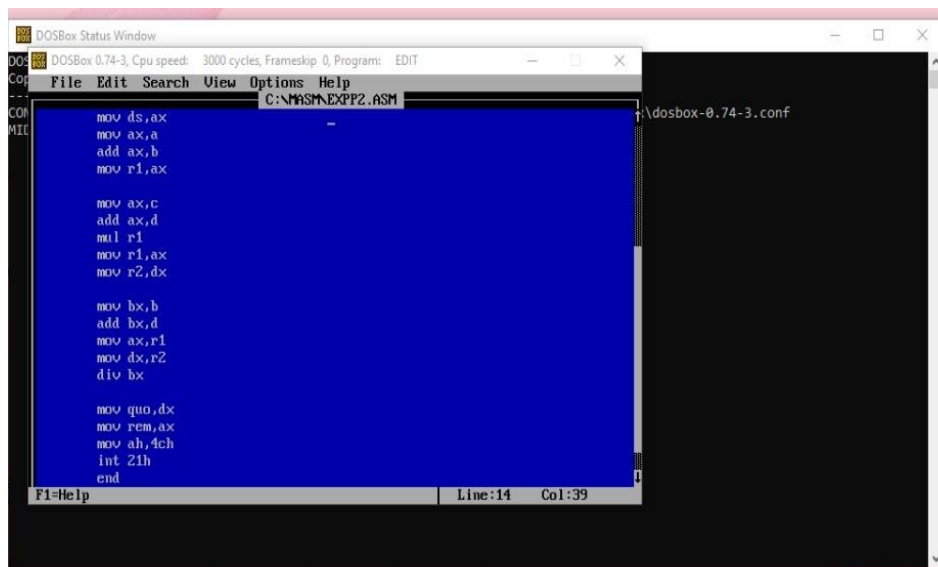
The screenshot shows a DOSBox window with a status bar indicating 'DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT'. The main window displays an assembly editor for 'C:\MSM\EXPP2.ASM'. The code is as follows:

```
.model small
.data
a dw 245h
b dw 25h
c dw 34h
d dw 50h
r1 dw ?
r2 dw ?
quo dw ?
rem dw ?
.code

mov ax,@data
mov ds,ax
mov ax,a
add ax,b
mov r1,ax

mov ax,c
add ax,d
mul r1
mov r1,ax
```

The status bar at the bottom shows 'F1=Help', 'Line:1', and 'Col:1'.



The screenshot shows the same DOSBox window, but the code editor has scrolled down to show the continuation of the assembly program:

```
mov ds,ax
mov ax,a
add ax,b
mov r1,ax

mov ax,c
add ax,d
mul r1
mov r1,ax
mov r2,dx

mov bx,b
add bx,d
mov ax,r1
mov dx,r2
div bx

mov quo,dx
mov rem,ax
mov ah,4ch
int 21h
end
```

The status bar at the bottom now shows 'F1=Help', 'Line:14', and 'Col:39'.

THE OUTPUT:

File Edit View Search Run Watch Options Calls Help									
local									
source1 CS:IP (ACTIVE)									
052A:0036	A31C00	MOV	Word Ptr [001C1],AX	AX = 4CB9					
052A:0039	B44C	MOV	AH,4C	BX = 0075					
052A:003B	CD21	INT	21	CX = 0000					
052A:003D	004502	ADD	Byte Ptr [DI+02],AL	DX = 001B					
052A:0040	250034	AND	AX,3400	SP = 0000					
052A:0043	005000	ADD	Byte Ptr [BX+SI+00],DL	BP = 0000					
052A:0046	A83E	TEST	AL,3E	SI = 0000					
052A:0048	0100	ADD	Word Ptr [BX+SI],AX	DI = 0000					
052A:004A	1B00	SBB	AX,Word Ptr [BX+SI]	DS = 052D					
052A:004C	B902B7	MOV	CX,B702	ES = 051A					
052A:004E	B792	MOV	BH,92	SS = 0529					
052A:0050	B9FF7F	MOV	CX,7FFF	CS = 052A					
052A:0053	B82800	MOV	AX,0028	IP = 003D					
052A:0056	E87902	CALL	02D2	FL = 0202					
052A:0059	07	POP	ES	NU UP EI PL					
052A:005A	8B16C401	MOV	DX,Word Ptr [01C41]	NZ NA OVS NC					
command									
052D:0000	F7 F3 89 16 1A 00 A3 1C-00 B4 4C CD 21 00 45 02	Go to Settings to activate windows		DS:0002					
052D:0010	25 00 34 00 50 00 A8 3E-01 00 1B 00 B9 02 B7 92	2.4.P		89					
>									
<F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Display>									