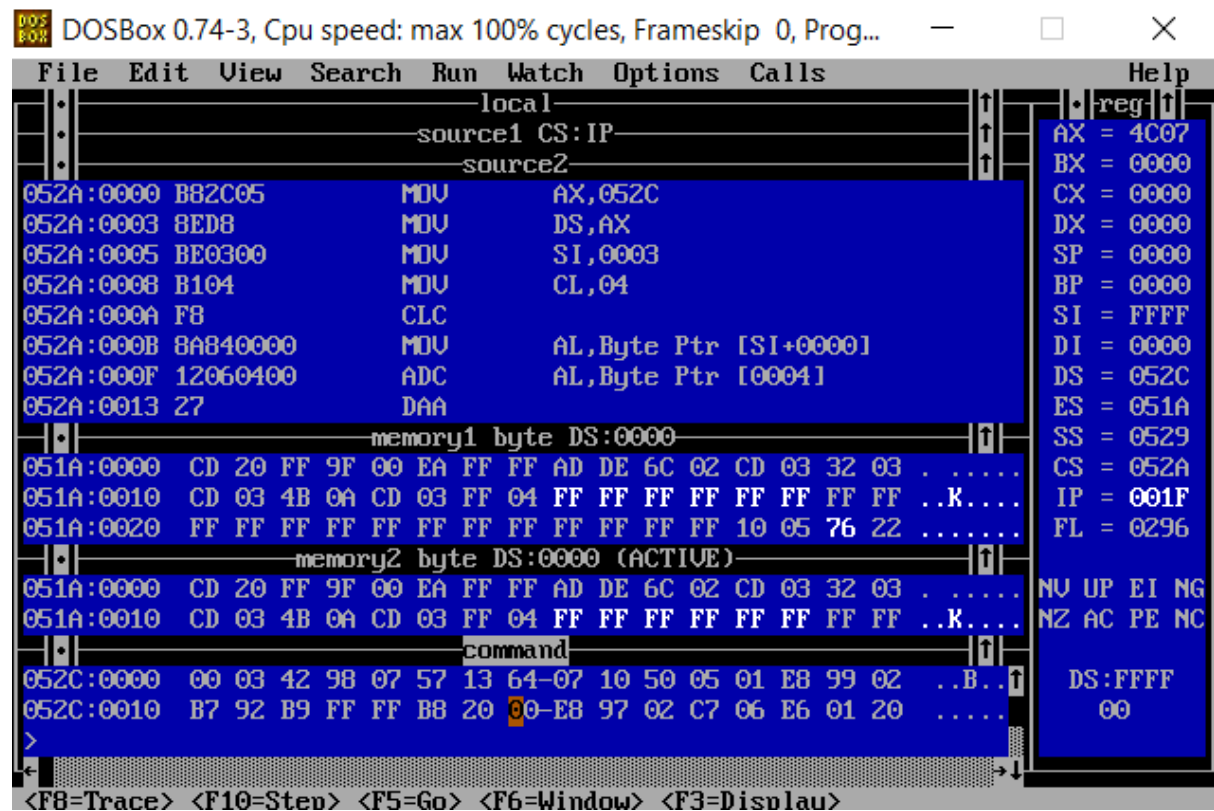


## Output for week-3

W3.ASM:



The screenshot shows the DOSBox 0.74-3 interface with the following components:

- Menu Bar:** File, Edit, View, Search, Run, Watch, Options, Calls, Help.
- Registers Panel (Right):**
  - AX = 4C07
  - BX = 0000
  - CX = 0000
  - DX = 0000
  - SP = 0000
  - BP = 0000
  - SI = FFFF
  - DI = 0000
  - DS = 052C
  - ES = 051A
  - SS = 0529
  - CS = 052A
  - IP = 001F
  - FL = 0296
- Source Code Panel (Left):**
  - local
  - source1 CS:IP
  - source2
  - 052A:0000 B82C05 MOV AX,052C
  - 052A:0003 8ED8 MOV DS,AX
  - 052A:0005 BE0300 MOV SI,0003
  - 052A:0008 B104 MOV CL,04
  - 052A:000A F8 CLC
  - 052A:000B 8A840000 MOV AL,Byte Ptr [SI+0000]
  - 052A:000F 12060400 ADC AL,Byte Ptr [0004]
  - 052A:0013 27 DAA
- Memory Panel (Middle):**
  - memory1 byte DS:0000
    - 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 FF FF FF FF FF FF FF FF ..K....
    - 051A:0020 FF FF FF FF FF FF FF FF FF FF FF FF FF 10 05 76 22 . . . . .
  - memory2 byte DS:0000 (ACTIVE)
    - 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 FF FF FF FF FF FF FF FF ..K....
- Command Panel (Bottom):**
  - command
  - 052C:0000 00 03 42 98 07 57 13 64-07 10 50 05 01 E8 99 02 ..B..
  - 052C:0010 B7 92 B9 FF FF B8 20 00-E8 97 02 C7 06 E6 01 20 . . . . .
- Footer:** <F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Displau>

W2.ASM:

DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Prog...

File Edit View Search Run Watch Options Calls Help

local

source1 CS:IP

source2

052A:0000 B82B05 MOV AX,052B  
052A:0003 8ED8 MOV DS,AX  
052A:0005 8D360E00 LEA SI,Word Ptr [000E]  
052A:0009 8D3E1300 LEA DI,Word Ptr [0013]  
052A:000D B105 MOV CL,05  
052A:000F 8A04 MOV AL,Byte Ptr [SI]  
052A:0011 8605 XCHG AL,Byte Ptr [DI]  
052A:0013 8804 MOV Byte Ptr [SI],AL

memory1 byte DS:0000

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 FF FF FF FF FF FF FF FF ..K....  
051A:0020 FF FF FF FF FF FF FF FF FF FF FF FF FF 10 05 76 22 . . . . .

memory2 byte DS:0000 (ACTIVE)

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 FF FF FF FF FF FF FF FF ..K....

command

052B:0000 04 86 05 88 04 46 47 E2-F6 B4 4C CD 21 00 11 22 . . . . .  
052B:0010 33 44 55 10 20 30 40 50-02 8B 16 E4 01 E8 99 02 3DU.  
>

AX = 4C55  
BX = 0000  
CX = 0000  
DX = 0000  
SP = 0000  
BP = 0000  
SI = 0013  
DI = 0018  
DS = 052B  
ES = 051A  
SS = 0529  
CS = 052A  
IP = 001D  
FL = 0206

NU UP EI PL  
NZ NA PE NC  
DS:0018  
02

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

SMath.ASM:

DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Prog...

File Edit View Search Run Watch Options Calls Help

local

source1 CS:IP

source2

052A:0000 B82E05 MOV AX,052E  
052A:0003 8ED8 MOV DS,AX  
052A:0005 A10000 MOV AX,Word Ptr [0000]  
052A:0008 8B1E0200 MOV BX,Word Ptr [0002]  
052A:000C 03C3 ADD AX,BX  
052A:000E A30800 MOV Word Ptr [0008],AX  
052A:0011 A10400 MOV AX,Word Ptr [0004]  
052A:0014 8B1E0600 MOV BX,Word Ptr [0006]

memory1 byte DS:0000

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 FF FF FF FF FF FF FF FF ..K....  
051A:0020 FF FF FF FF FF FF FF FF FF FF FF FF FF 10 05 76 22 . . . . .

memory2 byte DS:0000 (ACTIVE)

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 FF FF FF FF FF FF FF FF ..K....

command

052E:0000 F5 00 19 00 22 00 32 00-0E 01 54 00 4B 00 2E 01 . . . . .  
052E:0010 B9 FF 7F B8 28 00 E8 79-02 07 8B 16 C4 01 8B 1E . . . . .  
>

AX = 4C2E  
BX = 0032  
CX = 0000  
DX = 001E  
SP = 0000  
BP = 0000  
SI = 0000  
DI = 0000  
DS = 052E  
ES = 051A  
SS = 0529  
CS = 052A  
IP = 003F  
FL = 0206

NU UP EI PL  
NZ NA PE NC

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

## W4.ASM:

DOSBox Status Window

DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Prog...

File Edit View Search Run Watch Options Calls Help									
local									
source1 CS:IP									
source2									
052A:0000	B82E05	MOV	AX,052E						
052A:0003	8ED8	MOV	DS,AX						
052A:0005	A10000	MOV	AX,Word Ptr [0000]						
052A:0008	8B1E0200	MOV	BX,Word Ptr [0002]						
052A:000C	03C3	ADD	AX,BX						
052A:000E	A30800	MOV	Word Ptr [0008],AX						
052A:0011	A10400	MOV	AX,Word Ptr [0004]						
052A:0014	8B1E0600	MOV	BX,Word Ptr [0006]						
memory1 byte DS:0000									
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 FF FF FF FF FF FF FF FF	..K....							
051A:0020	FF FF FF FF FF FF FF FF FF FF FF FF FF 10 05 76 22	.....							
memory2 byte DS:0000 (ACTIVE)									
051A:0000	CD 20 FF 9F 00 EA FF FF AD DE 6C 02 CD 03 32 03	.....				NU UP EI PL			
051A:0010	CD 03 4B 0A CD 03 FF 04 FF FF FF FF FF FF FF FF	..K....				NZ NA PE NC			
command									
052E:0000	F5 00 19 00 22 00 32 00-0E 01 54 00 4B 00 2E 01	...."							
052E:0010	B9 FF 7F B8 28 00 E8 79-02 07 8B 16 C4 01 8B 1E	....C							
>									
<F8=Trace> <F10=Step> <F5=Go> <F6=Window> <F3=Display>									