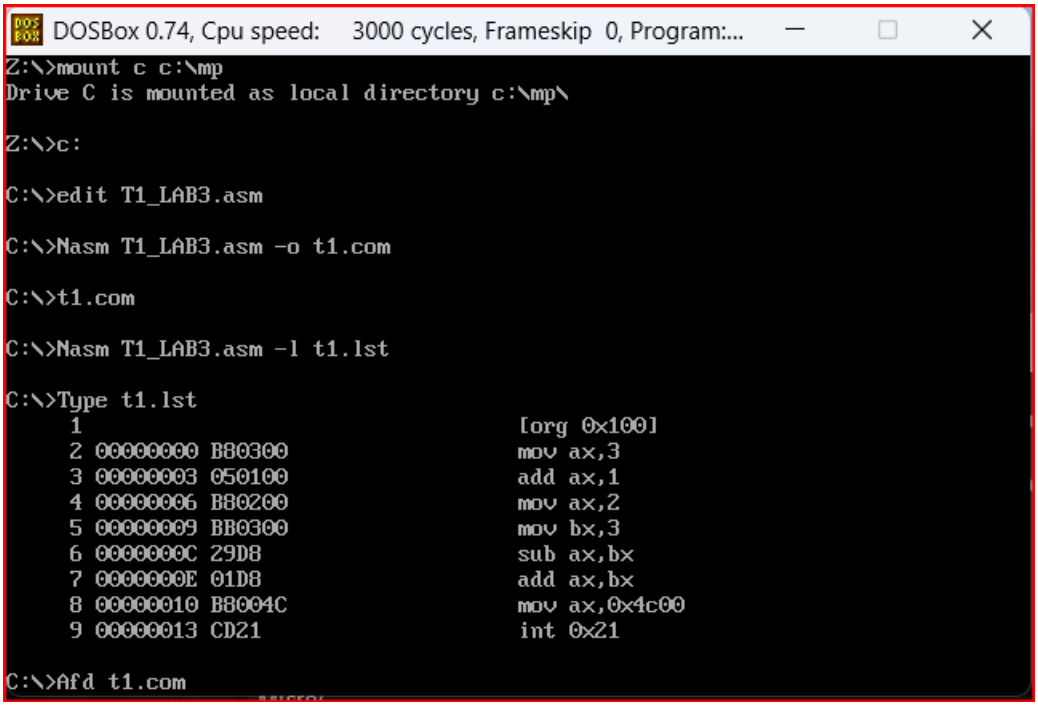
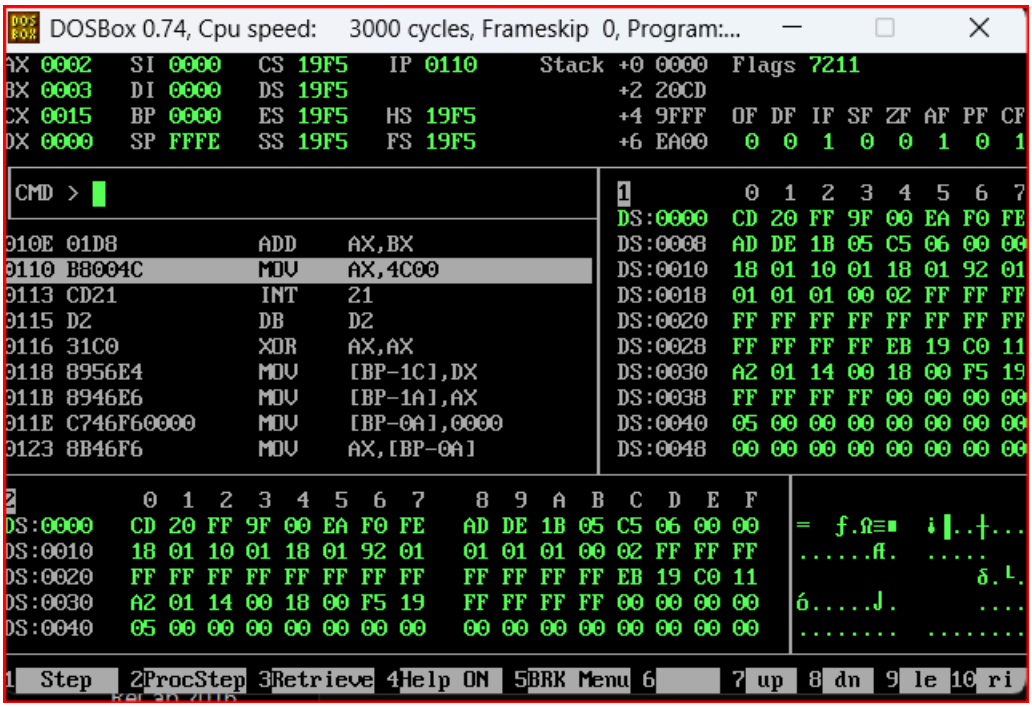
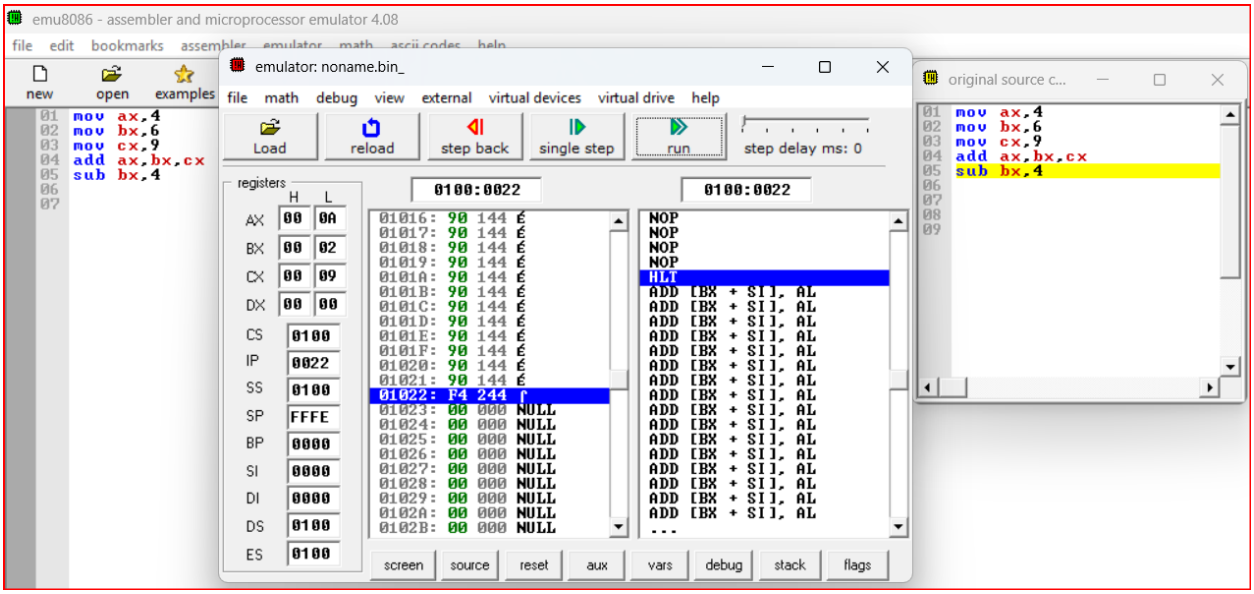
Task 1:

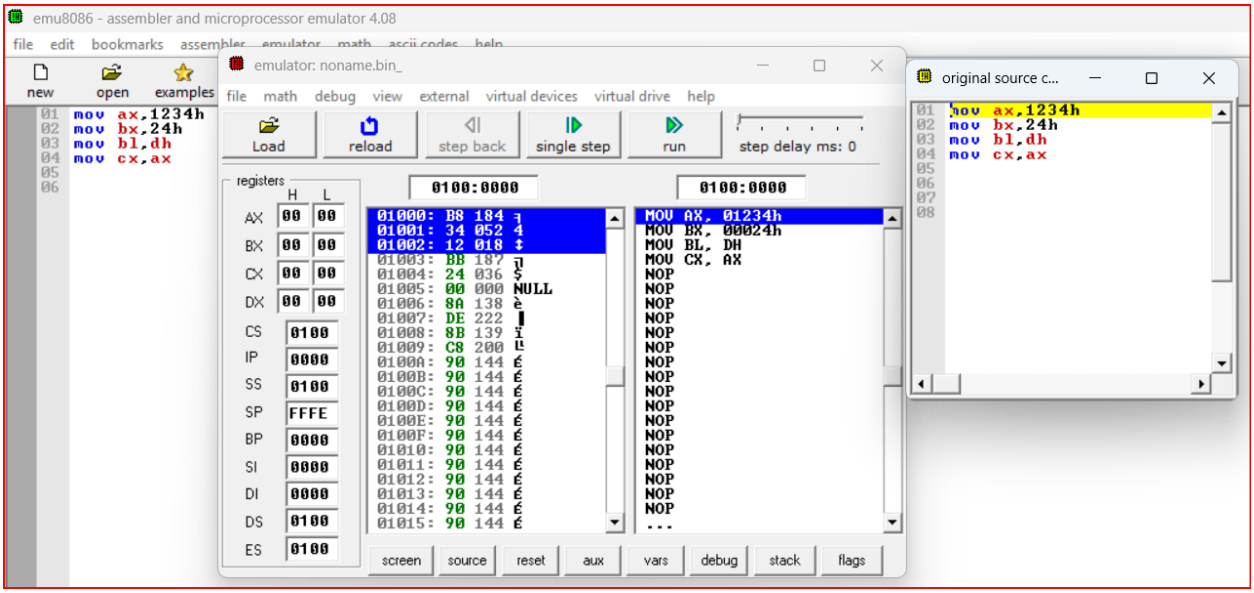

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:...
Z:\>mount c c:\mp
Drive C is mounted as local directory c:\mp\
Z:\>c:
C:\>edit T1_LAB3.asm
C:\>Nasm T1_LAB3.asm -o t1.com
C:\>t1.com
C:\>Nasm T1_LAB3.asm -l t1.lst
C:\>Type t1.lst
1 [org 0x100]
2 00000000 B80300 mov ax,3
3 00000003 050100 add ax,1
4 00000006 B80200 mov ax,2
5 00000009 BB0300 mov bx,3
6 0000000C 29D8 sub ax,bx
7 0000000E 01D8 add ax,bx
8 00000010 B8004C mov ax,0x4c00
9 00000013 CD21 int 0x21
C:\>Afd t1.com


DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program:...
AX 0002 SI 0000 CS 19F5 IP 0110 Stack +0 0000 Flags 7211
BX 0003 DI 0000 DS 19F5 +2 20CD
CX 0015 BP 0000 ES 19F5 HS 19F5 +4 9FFF OF DF IF SF ZF AF PF CF
DX 0000 SP FFFE SS 19F5 FS 19F5 +6 EA00 0 0 1 0 0 1 0 1
CMD >
010E 01D8 ADD AX,BX
0110 B8004C MOV AX,4C00
0113 CD21 INT 21
0115 D2 DB D2
0116 31C0 XOR AX,AX
0118 8956E4 MOV [BP-1C],DX
011B 8946E6 MOV [BP-1A],AX
011E C746F60000 MOV [BP-0A],0000
0123 8B46F6 MOV AX,[BP-0A]
DS:0000 CD 20 FF 9F 00 EA F0 FE
DS:0008 AD DE 1B 05 C5 06 00 00
DS:0010 18 01 10 01 18 01 92 01
DS:0018 01 01 01 00 02 FF FF FF
DS:0020 FF FF FF FF FF FF FF FF
DS:0028 FF FF FF FF EB 19 C0 11
DS:0030 A2 01 14 00 18 00 F5 19
DS:0038 FF FF FF FF 00 00 00 00
DS:0040 05 00 00 00 00 00 00 00
DS:0048 00 00 00 00 00 00 00 00
1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri

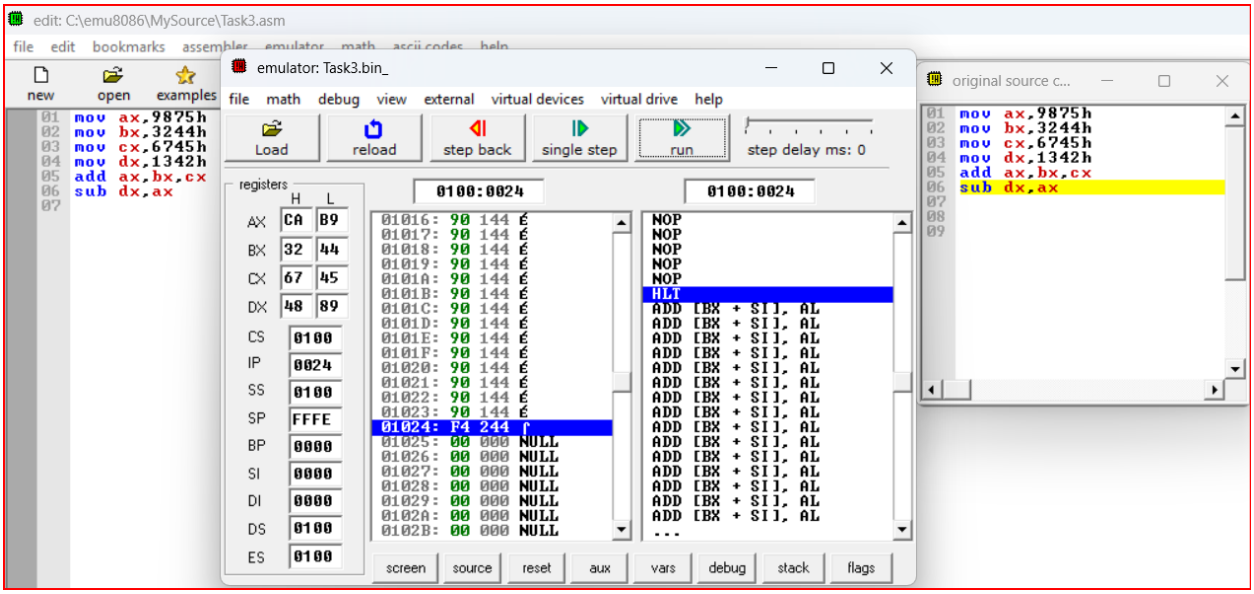
Task 2:


emu8086 - assembler and microprocessor emulator 4.08
emulator: noname.bin_
original source c...
mov ax,4
mov bx,6
mov cx,9
add ax,bx,cx
sub bx,4
0100:0022
HLT

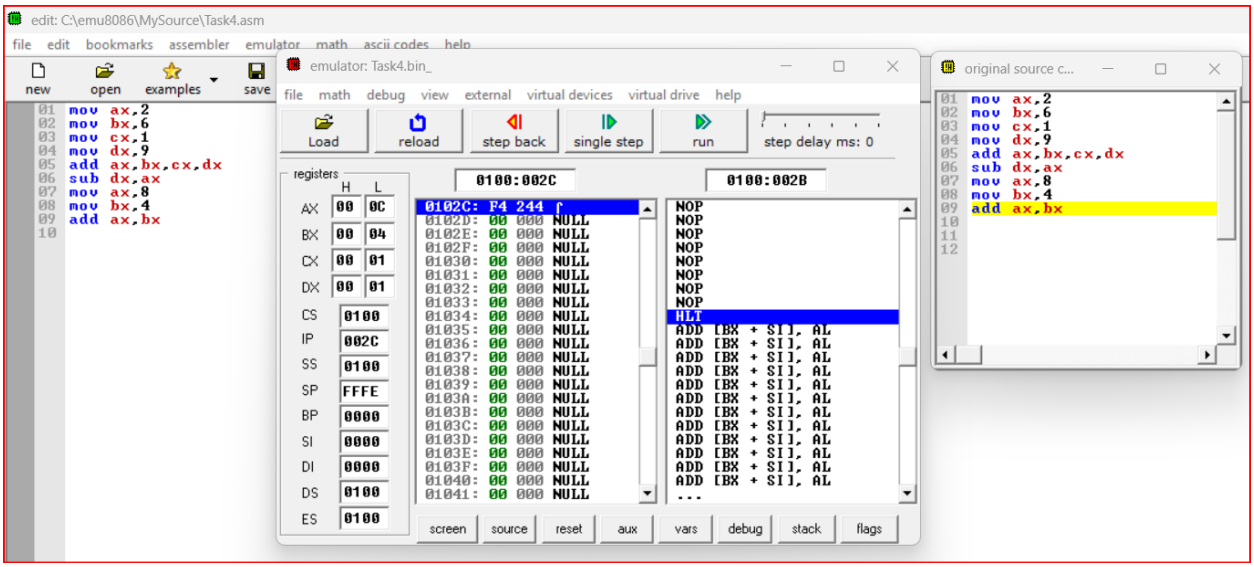
Task 3:


emu8086 - assembler and microprocessor emulator 4.08
emulator: noname.bin_
original source c...
mov ax,1234h
mov bx,24h
mov bl,dh
mov cx,ax
0100:0000
MOV AX, 01234h
MOV BX, 00024h
MOV BL, DH
MOV CX, AX

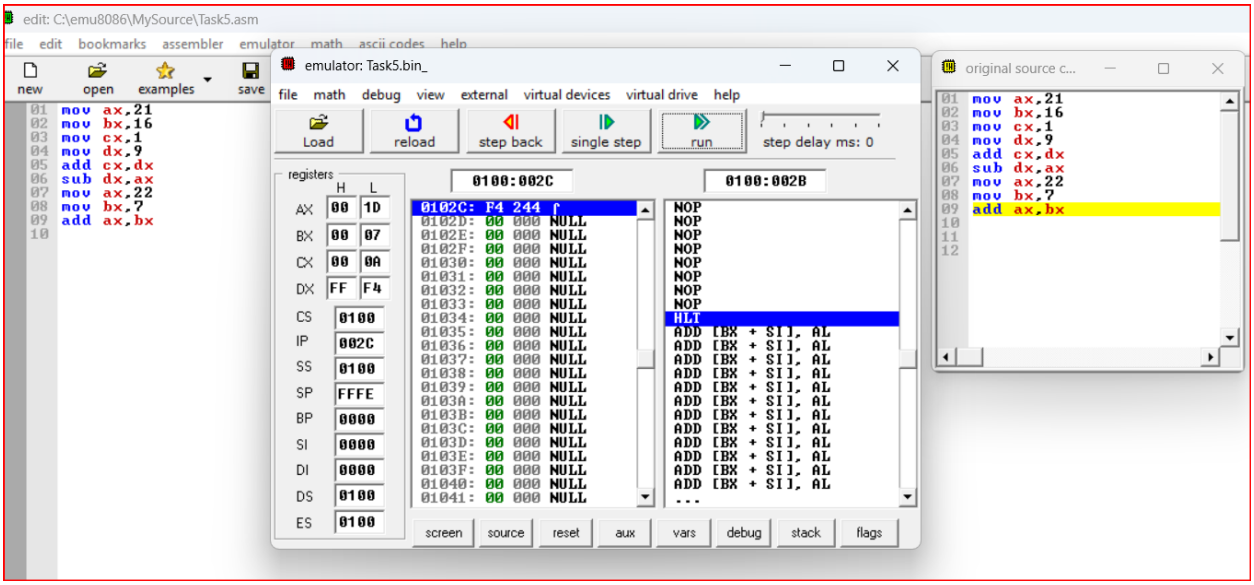
Task 4:


edit: C:\emu8086\MySource\Task3.asm
emulator: Task3.bin_
original source c...
mov ax,9875h
mov bx,3244h
mov cx,6745h
mov dx,1342h
add ax,bx,cx
sub dx,ax
Load
reload
step back
single step
run
step delay ms: 0
registers
0100:0024
screen
source
reset
aux
vars
debug
stack
flags

Task 5:


edit: C:\emu8086\MySource\Task4.asm
emulator: Task4.bin_
original source c...
mov ax,2
mov bx,6
mov cx,1
mov dx,9
add ax,bx,cx,dx
sub dx,ax
mov ax,8
mov bx,4
add ax,bx
Load
reload
step back
single step
run
step delay ms: 0
registers
0100:002C
0100:002B
screen
source
reset
aux
vars
debug
stack
flags

Task 6:


edit: C:\emu8086\MySource\Task5.asm
file edit bookmarks assembler emulator math ascii codes help
new open examples save
01 mov ax,21
02 mov bx,16
03 mov cx,1
04 mov dx,9
05 add cx,dx
06 sub dx,ax
07 mov ax,22
08 mov bx,7
09 add ax,bx
10
emulator: Task5.bin_
file math debug view external virtual devices virtual drive help
Load reload step back single step run step delay ms: 0
registers
H L
AX 00 1D
BX 00 07
CX 00 0A
DX FF F4
CS 0100
IP 002C
SS 0100
SP FFFE
BP 0000
SI 0000
DI 0000
DS 0100
ES 0100
0100:002C
0100:002B
0102C: F4 244 ƒ
0102D: 00 000 NULL
0102E: 00 000 NULL
0102F: 00 000 NULL
01030: 00 000 NULL
01031: 00 000 NULL
01032: 00 000 NULL
01033: 00 000 NULL
01034: 00 000 NULL
01035: 00 000 NULL
01036: 00 000 NULL
01037: 00 000 NULL
01038: 00 000 NULL
01039: 00 000 NULL
0103A: 00 000 NULL
0103B: 00 000 NULL
0103C: 00 000 NULL
0103D: 00 000 NULL
0103E: 00 000 NULL
0103F: 00 000 NULL
01040: 00 000 NULL
01041: 00 000 NULL
NOP
NOP
NOP
NOP
NOP
NOP
NOP
NOP
HLT
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
ADD [BX + SI], AL
...
screen source reset aux vars debug stack flags
original source c...
01 mov ax,21
02 mov bx,16
03 mov cx,1
04 mov dx,9
05 add cx,dx
06 sub dx,ax
07 mov ax,22
08 mov bx,7
09 add ax,bx
10
11
12