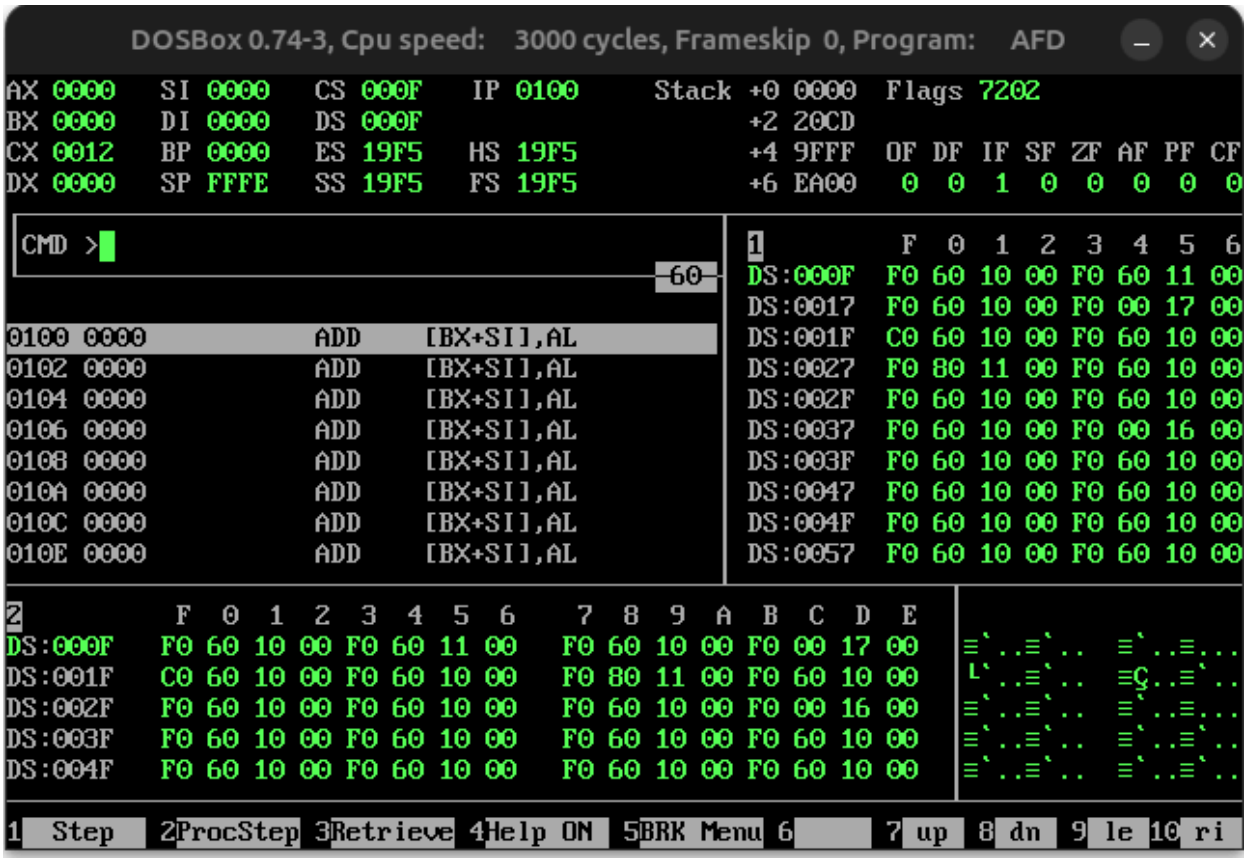
Lab # 4

Name : M.Shafeen

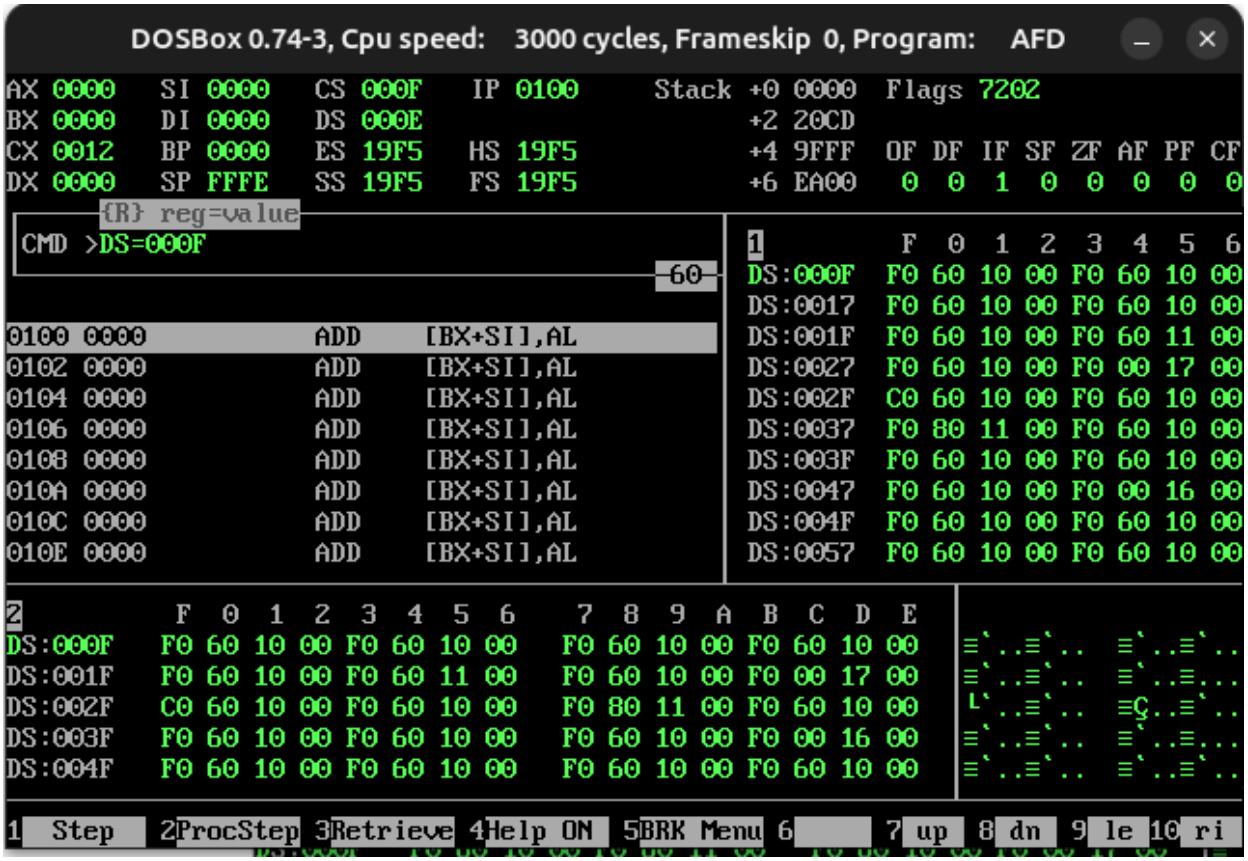
Roll No : 22P-9278

Debugger :



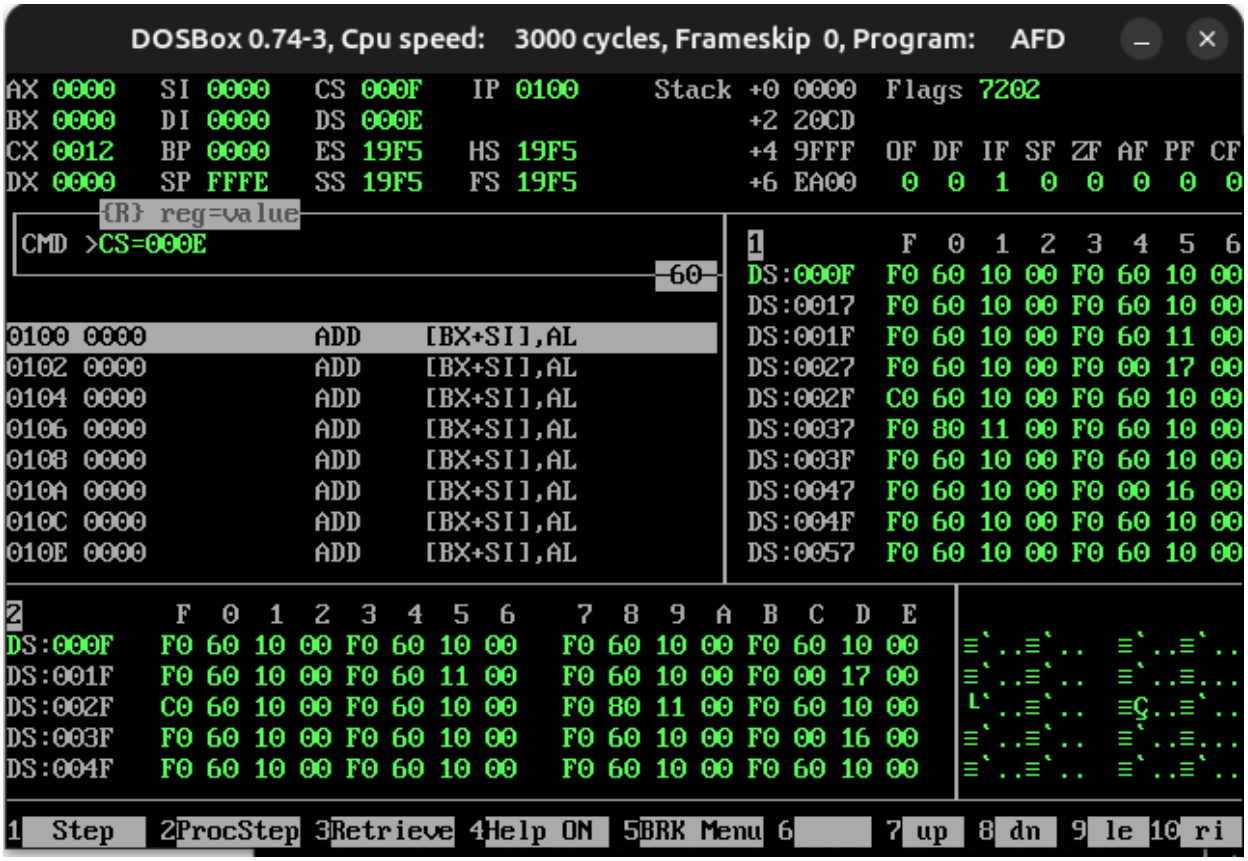
Step 1 :

Assigning the address **000F** to **DS** register



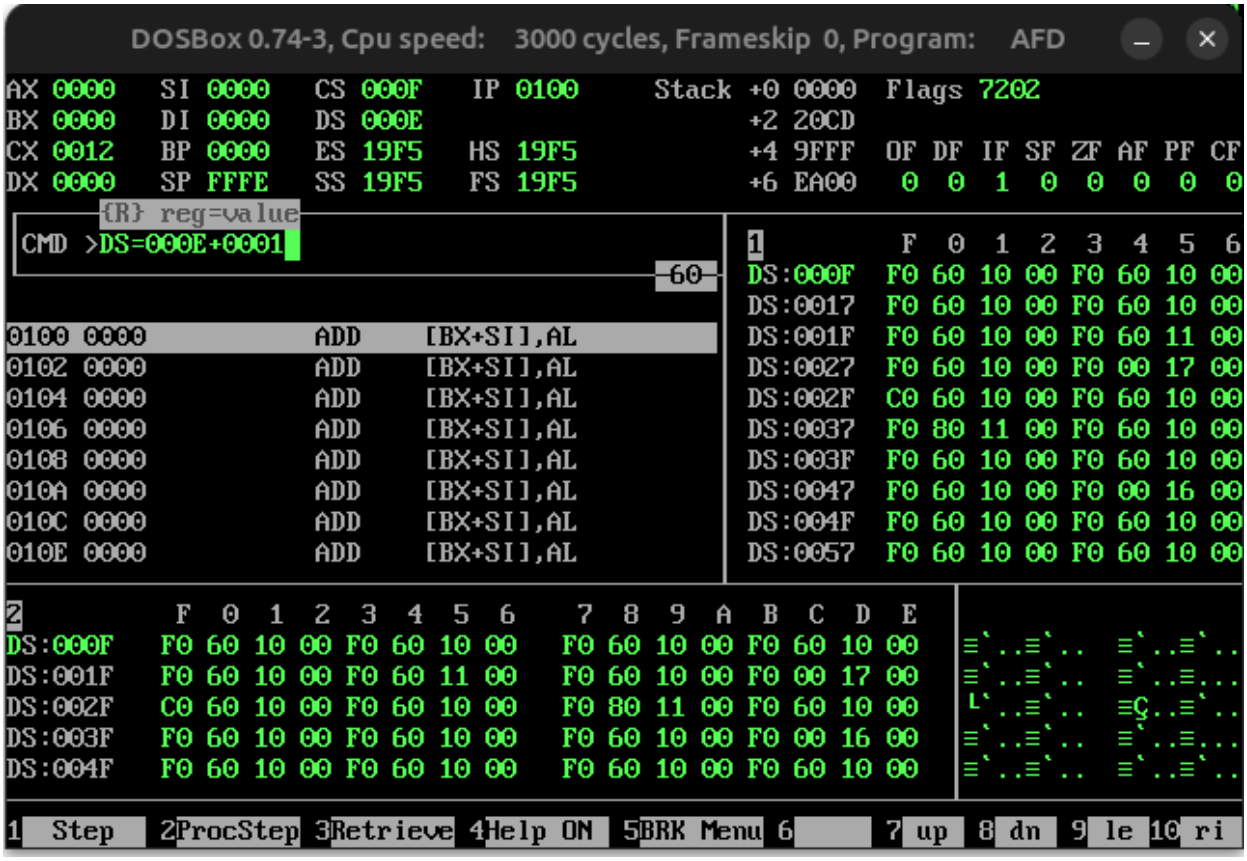
Step 2 :

Assigning the address **000E** to **CS** register



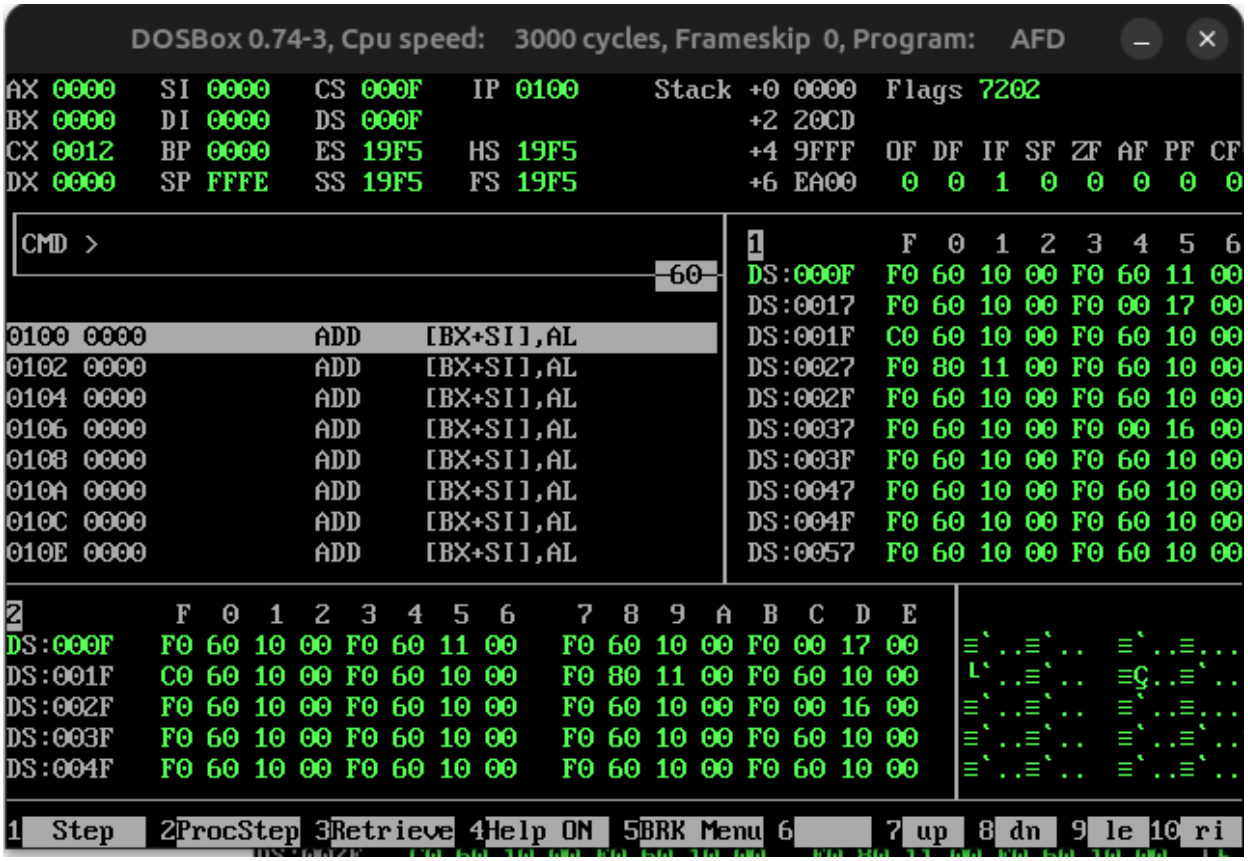
Step 3 :

By adding the **offset** we get to the same **physical address**



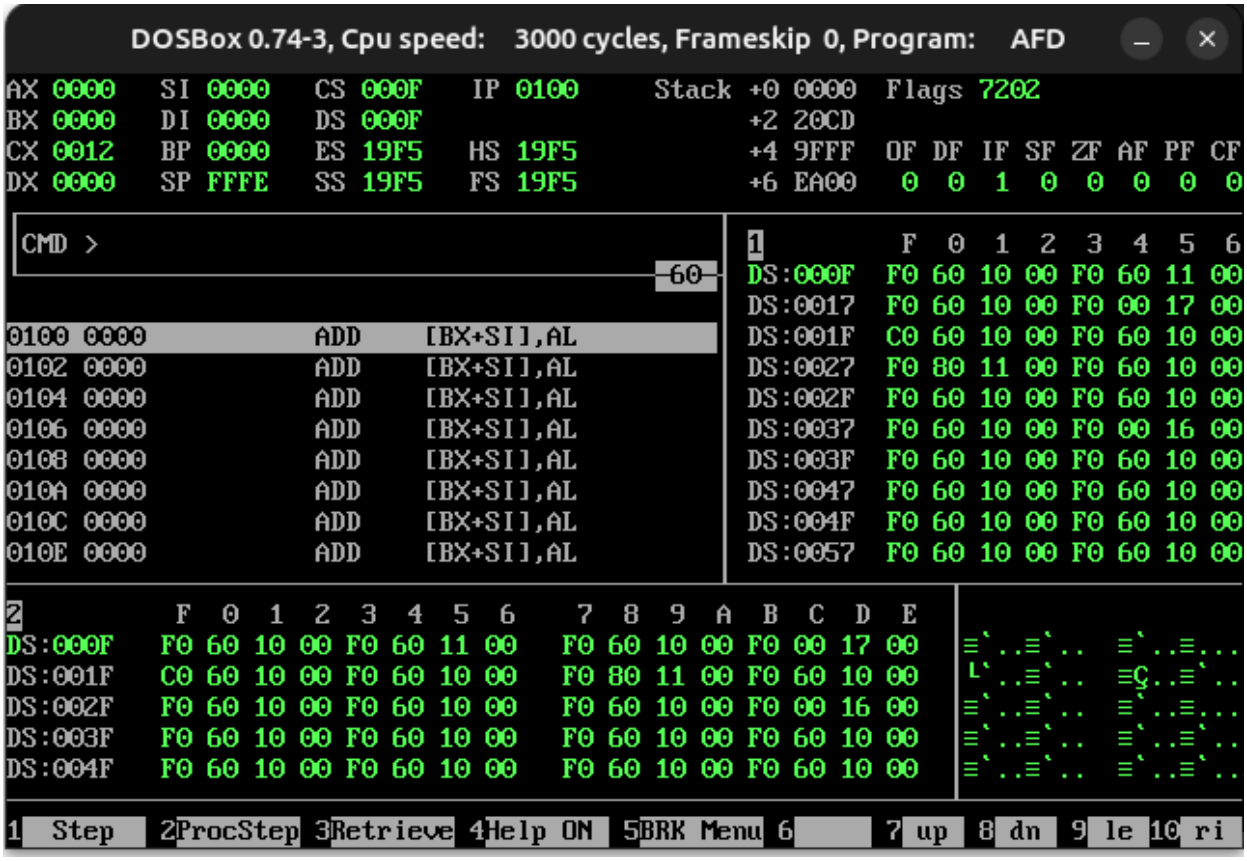
Step 4 :

As you can see both are pointing to the same address



Showing Memory now :

As you can see both memory are the same


DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD
AX 0000 SI 0000 CS 000F IP 0100 Stack +0 0000 Flags 7202
BX 0000 DI 0000 DS 000F +2 20CD
CX 0012 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 0 0 0
CMD >
60
0100 0000 ADD [BX+SI],AL
0102 0000 ADD [BX+SI],AL
0104 0000 ADD [BX+SI],AL
0106 0000 ADD [BX+SI],AL
0108 0000 ADD [BX+SI],AL
010A 0000 ADD [BX+SI],AL
010C 0000 ADD [BX+SI],AL
010E 0000 ADD [BX+SI],AL
1 F 0 1 2 3 4 5 6
DS:000F F0 60 10 00 F0 60 11 00
DS:0017 F0 60 10 00 F0 00 17 00
DS:001F C0 60 10 00 F0 60 10 00
DS:0027 F0 80 11 00 F0 60 10 00
DS:002F F0 60 10 00 F0 60 10 00
DS:0037 F0 60 10 00 F0 00 16 00
DS:003F F0 60 10 00 F0 60 10 00
DS:0047 F0 60 10 00 F0 60 10 00
DS:004F F0 60 10 00 F0 60 10 00
DS:0057 F0 60 10 00 F0 60 10 00
2 F 0 1 2 3 4 5 6 7 8 9 A B C D E
DS:000F F0 60 10 00 F0 60 11 00 F0 60 10 00 F0 00 17 00
DS:001F C0 60 10 00 F0 60 10 00 F0 80 11 00 F0 60 10 00
DS:002F F0 60 10 00 F0 60 10 00 F0 60 10 00 F0 00 16 00
DS:003F F0 60 10 00 F0 60 10 00 F0 60 10 00 F0 60 10 00
DS:004F F0 60 10 00 F0 60 10 00 F0 60 10 00 F0 60 10 00
1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri