W Sog.

Abbrina. U Sb CSE Rollm:5

Aim: Write and executed hanguage frogum to tout number in assending order is an away of number

Algorithm I Initalize the data segement memory 2) instalize the number of elements courter 3) initrilize the compansion courses A) Lord she numbes vido respublie negister of compare the element. 4 fine element - swood element goto step @ else go so next step 6) sway one numbers is she memory 3) Incument memory provistor & Decrement she compainson 8) b court =0? If you go to next step else opto step ev. a) Deument the element counter io) is course not o? go to step @ else go to noor step

> 84.05 3048 1048 -30

Data Segement ARR OW BIRH, 01494, 300H BOOSH, BOOSH. eaust eau asn. there should not sent the spring

port ends.

the a to have an in the LEDE SEGMENT.

START: MOV AN DATA

MON DS, BX

MOV DO - COUNT -1

: NOV CM-DX

MON SI, OFFIST LIST

the constant of the since of

mile sty Co stock in

course pour o'. Da

To men dix

Messell

MINIMAN !

: MOV AN [SI]

COUP AM, [SI+2]

arminelle 15% 80

ACHS AX, [SI+2]

WCHO AX, [SI]

GO: CNC SI

INC SI

TOOK & YOUN

DEC DX

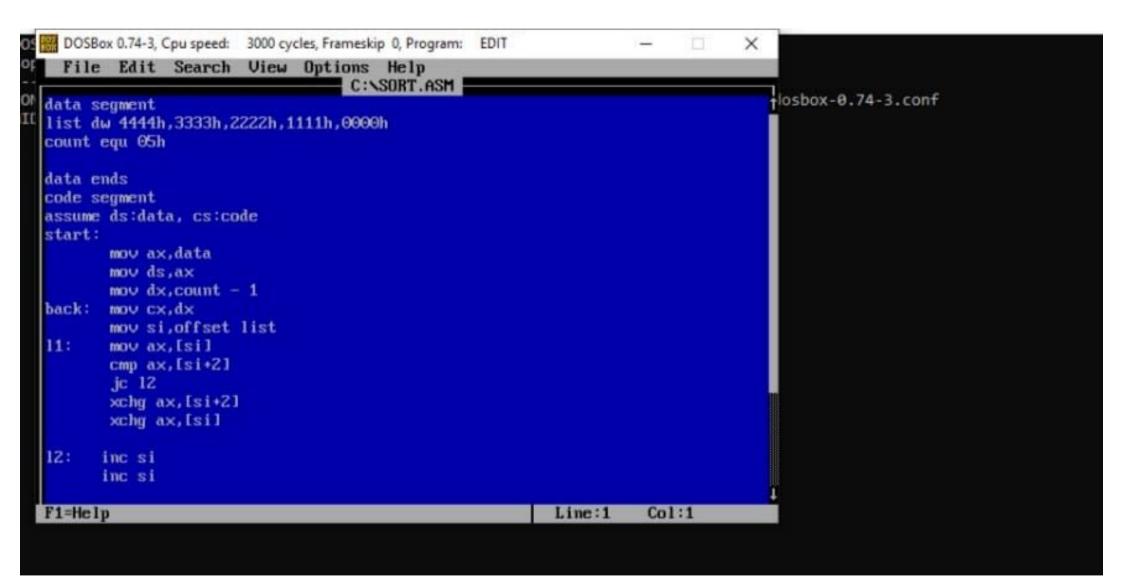
JNA BACK

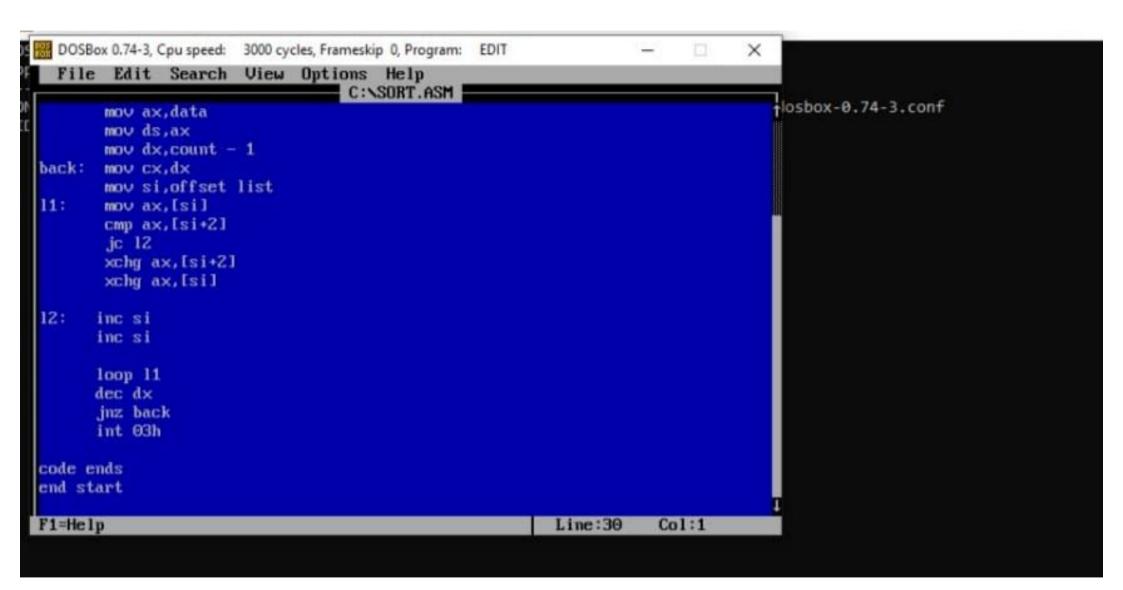
WT OBY

CODE ENDS.

end shapet

END.





```
DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: DEBUG
                                                                             ×
Microsoft (R) Overlay Linker Version 3.60
                                                                                losbox-0.74-3.conf
Copyright (C) Microsoft Corp 1983-1987. All rights reserved.
Run File [SORT.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:
LINK: warning L4021: no stack segment
C:\>debug sort.exe
 -g
                  CX=0000 DX=0000
                                    SP=0000
                                             BP=0000 SI=0002 DI=0000
AX=1111
         BX=0000
                  SS=0769 CS=076B
                                    IP=0020
DS=076A
        ES=075A
                                              NU UP EI PL ZR NA PE NC
076B:00Z0 CC
                        INT
                                3
-d ds:0000
                                                              ..... ""33DD.....
076A:0000
          00 00 11 11 22 22 33 33-44 44 00 00 00 00 00 00
076A:0010 B8 6A 07 BE D8 BA 04 00-8B CA BE 00 00 8B 04 3B
                                                              076A:0020 44 0Z 7Z 05 87 44 0Z 87-04 46 46 EZ F0 4A 75 E8
                                                             D.r..D...FF..Ju.
076A:0030 CC E9 11 01 B8 ZF 00 50-8B 46 FC 8B 56 FE 05 0C
                                                             ...../.P.F..U...
                                                              .RP..H...P. (....
076A:0040 00 52 50 E8 EA 48 83 C4-04 50 E8 7B 0E 83 C4 04
                                                             =..t....^.&.G.*
076A:0050
          3D FF FF 74 03 E9 ED 00-C4 5E FC 26 8A 47 0C 2A
076A:0060 E4 40 50 8B C3 BC CZ 05-0C 00 5Z 50 E8 C1 48 83
                                                              .eP.......RP...H.
076A:0070 C4 04 50 8D 86 FA FE 50-E8 17 73 83 C4 06 8B B6
                                                              ..P....P...s.....
```