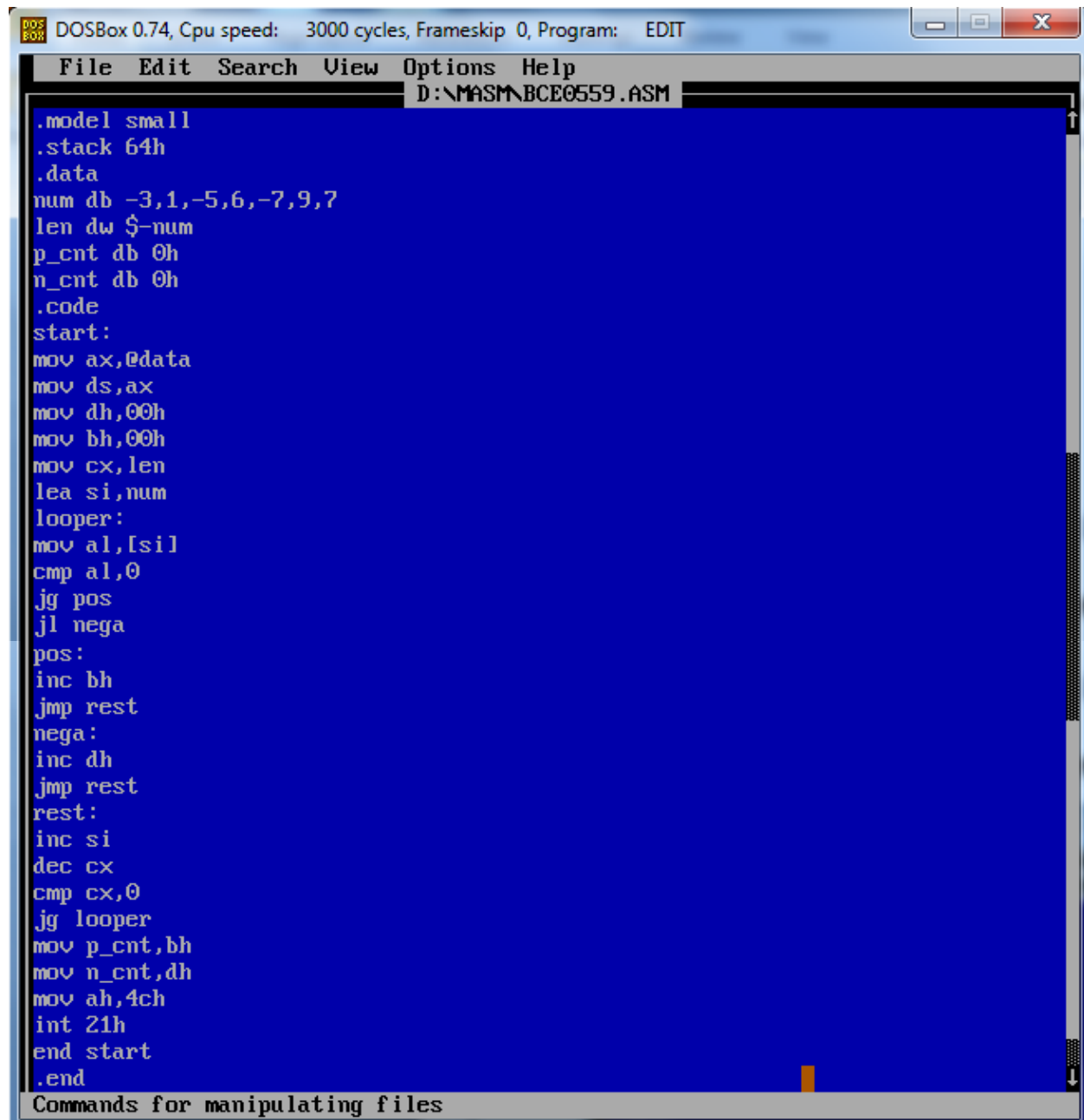**Reg No:** 18BCE0559

**Name:** Sreenitya Mandava

**Slot:** L29+L30

## ASSESSMENT-3

**ALP for finding the count of positive and negative numbers**

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip  0, Program:    EDIT

  File  Edit  Search  View  Options  Help
                    D:\MASM\BCE0559.ASM
.model small
.stack 64h
.data
num db -3,1,-5,6,-7,9,7
len dw $-num
p_cnt db 0h
n_cnt db 0h
.code
start:
mov ax,@data
mov ds,ax
mov dh,00h
mov bh,00h
mov cx,len
lea si,num
looper:
mov al,[si]
cmp al,0
jg pos
jl nega
pos:
inc bh
jmp rest
nega:
inc dh
jmp rest
rest:
inc si
dec cx
cmp cx,0
jg looper
mov p_cnt,bh
mov n_cnt,dh
mov ah,4ch
int 21h
end start
.end
Commands for manipulating files
```

```
DOSBox 0.74, Cpu speed:   3000 cycles, Frameskip 0, Program:  DOSBOX         _ ▢ ✕

D:\MASM>edit BCE0559.asm

D:\MASM>masm BCE0559.asm
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987.  All rights reserved.

Object filename [BCE0559.OBJ]:
Source listing  [NUL.LST]:
Cross-reference [NUL.CRF]:

  51620 + 464924 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

D:\MASM>link.exe BCE0559.obj

Microsoft 8086 Object Linker
Version 3.02 (C) Copyright Microsoft Corp 1983, 1984, 1985

Run File [BCE0559.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

D:\MASM>
```

```
DOSBox 0.74, Cpu speed:   3000 cycles, Frameskip 0, Program:  DEBUG          _ ▢ ✕

List File [NUL.MAP]:
Libraries [.LIB]:

D:\MASM>debug BCE0559.exe
-t
AX=0747 BX=0000 CX=0041 DX=0000 SP=0064 BP=0000 SI=0000 DI=0000
DS=0734 ES=0734 SS=0749 CS=0744 IP=0003 NV UP EI PL ZR NA PE NC
0744:0003 8ED8              MOV     DS,AX
-
AX=0747 BX=0000 CX=0041 DX=0000 SP=0064 BP=0000 SI=0000 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0005 NV UP EI PL ZR NA PE NC
0744:0005 B600              MOV     DH,00
-
AX=0747 BX=0000 CX=0041 DX=0000 SP=0064 BP=0000 SI=0000 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0007 NV UP EI PL ZR NA PE NC
0744:0007 B700              MOV     BH,00
-
AX=0747 BX=0000 CX=0041 DX=0000 SP=0064 BP=0000 SI=0000 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0009 NV UP EI PL ZR NA PE NC
0744:0009 8B0E0D00          MOV     CX,[000D]                        DS:000D=0007
-
AX=0747 BX=0000 CX=0007 DX=0000 SP=0064 BP=0000 SI=0000 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=000D NV UP EI PL ZR NA PE NC
0744:000D 8D360600          LEA     SI,[0006]                        DS:0006=01FD
-     _
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

AX=0747 BX=0000 CX=0007 DX=0000 SP=0064 BP=0000 SI=0006 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0011 NV UP EI PL ZR NA PE NC
0744:0011 8A04              MOV     AL,[SI]                          DS:0006=FD
-
AX=07FD BX=0000 CX=0007 DX=0000 SP=0064 BP=0000 SI=0006 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0013 NV UP EI PL ZR NA PE NC
0744:0013 3C00              CMP     AL,00
-
AX=07FD BX=0000 CX=0007 DX=0000 SP=0064 BP=0000 SI=0006 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0015 NV UP EI NG NZ NA PO NC
0744:0015 7F02              JG      0019
-
AX=07FD BX=0000 CX=0007 DX=0000 SP=0064 BP=0000 SI=0006 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0017 NV UP EI NG NZ NA PO NC
0744:0017 7C05              JL      001E
-
AX=07FD BX=0000 CX=0007 DX=0000 SP=0064 BP=0000 SI=0006 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=001E NV UP EI NG NZ NA PO NC
0744:001E FEC6              INC     DH
-
AX=07FD BX=0000 CX=0007 DX=0100 SP=0064 BP=0000 SI=0006 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0020 NV UP EI PL NZ NA PO NC
0744:0020 EB01              JMP     0023
-
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

-
AX=07FD BX=0000 CX=0007 DX=0100 SP=0064 BP=0000 SI=0006 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0023 NV UP EI PL NZ NA PO NC
0744:0023 46                INC     SI
-
AX=07FD BX=0000 CX=0007 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0024 NV UP EI PL NZ NA PO NC
0744:0024 49                DEC     CX
-
AX=07FD BX=0000 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0025 NV UP EI PL NZ NA PE NC
0744:0025 83F900            CMP     CX,+00
-
AX=07FD BX=0000 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL NZ NA PE NC
0744:0028 7FE7              JG      0011
-
AX=07FD BX=0000 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0011 NV UP EI PL NZ NA PE NC
0744:0011 8A04              MOV     AL,[SI]                          DS:0007=01
-
AX=0701 BX=0000 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0013 NV UP EI PL NZ NA PE NC
0744:0013 3C00              CMP     AL,00
-_
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

_
AX=0701 BX=0000 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0015 NV UP EI PL NZ NA PO NC
0744:0015 7F02              JG      0019
_
AX=0701 BX=0000 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0019 NV UP EI PL NZ NA PO NC
0744:0019 FEC7              INC     BH
_
AX=0701 BX=0100 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=001B NV UP EI PL NZ NA PO NC
0744:001B EB06              JMP     0023
_
AX=0701 BX=0100 CX=0006 DX=0100 SP=0064 BP=0000 SI=0007 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0023 NV UP EI PL NZ NA PO NC
0744:0023 46                INC     SI
_
AX=0701 BX=0100 CX=0006 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0024 NV UP EI PL NZ NA PO NC
0744:0024 49                DEC     CX
_
AX=0701 BX=0100 CX=0005 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0025 NV UP EI PL NZ NA PE NC
0744:0025 83F900            CMP     CX,+00
_
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

_
AX=0701 BX=0100 CX=0005 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL NZ NA PE NC
0744:0028 7FE7              JG      0011
_
AX=0701 BX=0100 CX=0005 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0011 NV UP EI PL NZ NA PE NC
0744:0011 8A04              MOV     AL,[SI]                          DS:0008=FB
_
AX=07FB BX=0100 CX=0005 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0013 NV UP EI PL NZ NA PE NC
0744:0013 3C00              CMP     AL,00
_
AX=07FB BX=0100 CX=0005 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0015 NV UP EI NG NZ NA PO NC
0744:0015 7F02              JG      0019
_
AX=07FB BX=0100 CX=0005 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0017 NV UP EI NG NZ NA PO NC
0744:0017 7C05              JL      001E
_
AX=07FB BX=0100 CX=0005 DX=0100 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=001E NV UP EI NG NZ NA PO NC
0744:001E FEC6              INC     DH
_
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

AX=07FB BX=0100 CX=0005 DX=0200 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0020 NV UP EI PL NZ NA PO NC
0744:0020 EB01              JMP     0023
_
AX=07FB BX=0100 CX=0005 DX=0200 SP=0064 BP=0000 SI=0008 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0023 NV UP EI PL NZ NA PO NC
0744:0023 46                INC     SI
_
AX=07FB BX=0100 CX=0005 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0024 NV UP EI PL NZ NA PE NC
0744:0024 49                DEC     CX
_
AX=07FB BX=0100 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0025 NV UP EI PL NZ NA PO NC
0744:0025 83F900            CMP     CX,+00
_
AX=07FB BX=0100 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL NZ NA PO NC
0744:0028 7FE7              JG      0011
_
AX=07FB BX=0100 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0011 NV UP EI PL NZ NA PO NC
0744:0011 8A04              MOV     AL,[SI]             DS:0009=06
_
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

_
AX=0706 BX=0100 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0013 NV UP EI PL NZ NA PO NC
0744:0013 3C00              CMP     AL,00
_
AX=0706 BX=0100 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0015 NV UP EI PL NZ NA PE NC
0744:0015 7F02              JG      0019
_
AX=0706 BX=0100 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0019 NV UP EI PL NZ NA PE NC
0744:0019 FEC7              INC     BH
_
AX=0706 BX=0200 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=001B NV UP EI PL NZ NA PO NC
0744:001B EB06              JMP     0023
_
AX=0706 BX=0200 CX=0004 DX=0200 SP=0064 BP=0000 SI=0009 DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0023 NV UP EI PL NZ NA PO NC
0744:0023 46                INC     SI
_
AX=0706 BX=0200 CX=0004 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0024 NV UP EI PL NZ NA PE NC
0744:0024 49                DEC     CX
_
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip  0, Program:  DEBUG

AX=0706 BX=0200 CX=0003 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0025 NV UP EI PL NZ NA PE NC
0744:0025 83F900             CMP     CX,+00
_
AX=0706 BX=0200 CX=0003 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL NZ NA PE NC
0744:0028 7FE7               JG      0011
_
AX=0706 BX=0200 CX=0003 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0011 NV UP EI PL NZ NA PE NC
0744:0011 8A04               MOV     AL,[SI]                      DS:000A=F9
_
AX=07F9 BX=0200 CX=0003 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0013 NV UP EI PL NZ NA PE NC
0744:0013 3C00               CMP     AL,00
_
AX=07F9 BX=0200 CX=0003 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0015 NV UP EI NG NZ NA PE NC
0744:0015 7F02               JG      0019
_
AX=07F9 BX=0200 CX=0003 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0017 NV UP EI NG NZ NA PE NC
0744:0017 7C05               JL      001E
_
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip  0, Program:  DEBUG

_
AX=07F9 BX=0200 CX=0003 DX=0200 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=001E NV UP EI NG NZ NA PE NC
0744:001E FEC6               INC     DH
_
AX=07F9 BX=0200 CX=0003 DX=0300 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0020 NV UP EI PL NZ NA PE NC
0744:0020 EB01               JMP     0023
_
AX=07F9 BX=0200 CX=0003 DX=0300 SP=0064 BP=0000 SI=000A DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0023 NV UP EI PL NZ NA PE NC
0744:0023 46                 INC     SI
_
AX=07F9 BX=0200 CX=0003 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0024 NV UP EI PL NZ NA PO NC
0744:0024 49                 DEC     CX
_
AX=07F9 BX=0200 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0025 NV UP EI PL NZ NA PO NC
0744:0025 83F900             CMP     CX,+00
_
AX=07F9 BX=0200 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL NZ NA PO NC
0744:0028 7FE7               JG      0011
_
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:   DEBUG

AX=07F9 BX=0200 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0011 NV UP EI PL NZ NA PO NC
0744:0011 8A04            MOV     AL,[SI]                         DS:000B=09

AX=0709 BX=0200 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0013 NV UP EI PL NZ NA PO NC
0744:0013 3C00            CMP     AL,00

AX=0709 BX=0200 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0015 NV UP EI PL NZ NA PE NC
0744:0015 7F02            JG      0019

AX=0709 BX=0200 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0019 NV UP EI PL NZ NA PE NC
0744:0019 FEC7            INC     BH

AX=0709 BX=0300 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=001B NV UP EI PL NZ NA PE NC
0744:001B EB06            JMP     0023

AX=0709 BX=0300 CX=0002 DX=0300 SP=0064 BP=0000 SI=000B DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0023 NV UP EI PL NZ NA PE NC
0744:0023 46              INC     SI
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:   DEBUG

AX=0709 BX=0300 CX=0002 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0024 NV UP EI PL NZ NA PE NC
0744:0024 49              DEC     CX

AX=0709 BX=0300 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0025 NV UP EI PL NZ NA PO NC
0744:0025 83F900          CMP     CX,+00

AX=0709 BX=0300 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL NZ NA PO NC
0744:0028 7FE7            JG      0011

AX=0709 BX=0300 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0011 NV UP EI PL NZ NA PO NC
0744:0011 8A04            MOV     AL,[SI]                         DS:000C=07

AX=0707 BX=0300 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0013 NV UP EI PL NZ NA PO NC
0744:0013 3C00            CMP     AL,00

AX=0707 BX=0300 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0015 NV UP EI PL NZ NA PO NC
0744:0015 7F02            JG      0019
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

AX=0707 BX=0300 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0019 NV UP EI PL NZ NA PO NC
0744:0019 FEC7              INC     BH
-
AX=0707 BX=0400 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=001B NV UP EI PL NZ NA PO NC
0744:001B EB06              JMP     0023
-
AX=0707 BX=0400 CX=0001 DX=0300 SP=0064 BP=0000 SI=000C DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0023 NV UP EI PL NZ NA PO NC
0744:0023 46                INC     SI
-
AX=0707 BX=0400 CX=0001 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0024 NV UP EI PL NZ NA PO NC
0744:0024 49                DEC     CX
-
AX=0707 BX=0400 CX=0000 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0025 NV UP EI PL ZR NA PE NC
0744:0025 83F900            CMP     CX,+00
-
AX=0707 BX=0400 CX=0000 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL ZR NA PE NC
0744:0028 7FE7              JG      0011
-
```

```
DOSBox 0.74, Cpu speed:    3000 cycles, Frameskip 0, Program:  DEBUG

0744:0025 83F900            CMP     CX,+00
-
AX=0707 BX=0400 CX=0000 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0028 NV UP EI PL ZR NA PE NC
0744:0028 7FE7              JG      0011
-
AX=0707 BX=0400 CX=0000 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=002A NV UP EI PL ZR NA PE NC
0744:002A 883E0F00          MOV     [000F],BH                    DS:000F=00
-
AX=0707 BX=0400 CX=0000 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=002E NV UP EI PL ZR NA PE NC
0744:002E 88361000          MOV     [0010],DH                    DS:0010=00
-
AX=0707 BX=0400 CX=0000 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0032 NV UP EI PL ZR NA PE NC
0744:0032 B44C              MOV     AH,4C
-
AX=4C07 BX=0400 CX=0000 DX=0300 SP=0064 BP=0000 SI=000D DI=0000
DS=0747 ES=0734 SS=0749 CS=0744 IP=0034 NV UP EI PL ZR NA PE NC
0744:0034 CD21              INT     21
-

Program terminated normally (0007)
-18BCE0559_
```