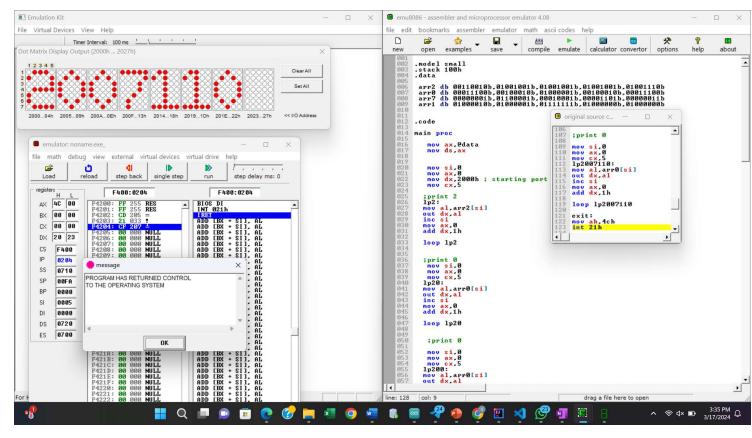


```
049
050
         ;print 0
051
         mov si,0
mov ax,0
mov cx,5
052
053
054
055
        1p200:
        mov al, arr0[si]
out dx, al
056
057
058
        inc si
        mov ax,0
059
        add dx,1h
060
061
862
        loop 1p200
063
064
065
         ;print 7
066
         mov si,0
067
         mov ax,0
         mov cx,5
068
069
        1p2007:
        mov al, arr7[si]
out dx, al
979
071
972
        inc si
073
        mov ax,0
        add dx,1h
074
075
076
        loop 1p2007
077
978
079
         ;print 1
080
         mov si,0
081
         mov ax,0
082
         mov cx,5
        1p20071:
083
        mov al, arr1[si]
out dx, al
084
085
986
        inc si
087
        mov ax,0
        add dx,1h
988
089
090
        loop 1p20071
091
092
Ø93
        ;print 1
094
         mov si,0
        mov ax.0
mov cx.5
1p200711:
095
096
097
        mov al, arr1[si]
out dx, al
098
099
100
        inc si
        mov ax,0
add dx,1h
181
102
103
        loop 1p200711
194
105
```

```
106
         ;print 0
187
198
109
         mov si,0
110
         mov ax,0
111
         mov
       1p2007110:
112
113
       mov al, arr0[si]
114
       out dx, al
115
       inc si
       mov ax,0
116
117
       add dx,1h
118
119
       loop 1p2007110
120
121
122
     exit:
    mov ah, 4ch
int 21h
123
124
125
126
127
     main endp
    end main
```



.model small .stack 100h .data

arr2 db 00110010b,01001001b,01001001b,01001001b,01001110b arr0 db 00011100b,00100010b,01000001b,00100010b,00011100b arr7 db 00000001b,01100001b,00010001b,00001101b,00000011b arr1 db 01000010b,01000001b,011111111b,01000000b,01000000b

```
.code
main proc
 mov ax,@data
 mov ds,ax
 mov si,0
 mov ax,0
 mov dx,2000h; starting port address
 mov cx,5
 ;print 2
 lp2:
 mov al, arr2[si]
 out dx,al
 inc si
 mov ax,0
 add dx,1h
 loop lp2
 ;print 0
 mov si,0
 mov ax,0
 mov cx,5
 lp20:
 mov al,arr0[si]
 out dx,al
 inc si
 mov ax,0
 add dx,1h
 loop lp20
 ;print 0
 mov si,0
 mov ax,0
 mov cx,5
 lp200:
 mov al,arr0[si]
 out dx,al
 inc si
 mov ax,0
 add dx,1h
 loop lp200
 ;print 7
 mov si,0
```

mov ax,0 mov cx,5 lp2007:

mov al, arr7[si] out dx,al inc si mov ax,0 add dx,1h loop lp2007 ;print 1 mov si,0 mov ax,0 mov cx,5 lp20071: mov al,arr1[si] out dx,al inc si mov ax,0 add dx,1h loop lp20071 ;print 1 mov si,0 mov ax,0 mov cx,5 lp200711: mov al, arr1[si] out dx,al inc si mov ax,0 add dx,1h loop lp200711 ;print 0 mov si,0 mov ax,0 mov cx,5 lp2007110: mov al,arr0[si] out dx,al inc si mov ax,0 add dx,1h loop lp2007110 exit: mov ah,4ch int 21h

main endp end main

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