BUBBLE SORT

Data segment

Org 2000h

Array db 30h,20h,40h,10h,50h

Data ends

Code segment

Assume cs:code,ds:data

Main:

   Mov ax,data

   Mov ds,ax

   Mov cx,05h

Up1:

   Lea si,array

   Mov dl,04h

Up:

   Mov al,[si]

   Inc si

   Mov bl,[si]

   Cmp al,bl

   Jc dn

   Mov [si],al

   Dec si

   Mov [si],bl

   Inc si

```asm
Dn:

    Dec dl

    Jnz up

    Loop up1

    Mov ah,4ch

    Int 21h

    Code ends

    End main
```