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## Lab program-2

Sorting of numbers using Bubble sort alg.

- model small

- data

n db 6

a db 05, 07, 04, 03, 06, 02

- code

mov ax, @data

mov ds, ax

lea si, a

mov cl, n

dec cl

outloop: mov ch, cl

mov si, 00h

inloop: mov al, a[si]

inc si

cmp al, a[si]

jc ~~no~~exchange

xchange ~~al~~ al, a[si]

mov a[si-1], al

~~no~~exchange: dec ch

jnz inloop

dec cl

jnz outloop

mov ah, 4ch

int 21h

end