

Ascending Order :- (Bubble Sort)

• model small

• data

n db 5

a db 05, 07, 04, 03, 06

• code

MOV ax, @data

MOV DS, ax

MOV cl, n

dec cl

outloop: mov ch, cl
mov SI, 00h

inloop: mov al, a[SI]
inc SI
cmp al, a[SI]
~~JG~~ noexch

becomes
JNG for
descending
order.

xchg al, a[SI]
mov a[SI-1], al

noexch: dec ch
JNG inloop
dec cl
JNG outloop
mov ah, 4ch
int 21h

end

