

## + Bubble Sort:-

• model Small

• data

n db 5

a db 05, 07, 04, 03, 06

• code

mov ax, @data

mov ds, ax

lea si, a

mov cl, n

dec cl

// cl will contain 4 which is an index to the last element of array

• Outloop: mov ch, cl

mov si, 00h

inloop: mov al, a[si]

inc si

cmp al, a[si] // al now contains 05 and a[si] contains 07

jc noexchange: ~~dec ch~~

xchg al, a[si]

mov a[si-1], al

noexchange: dec ch

jnz inloop

dec cl

jnz outloop

~~dec cl~~

mov ah, 4ch

int 21h

end