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Name : Yogesh.T  
USN : IBM19CS188

.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

out loop : mov ch, cl

mov si, 00h

in loop : mov al, a[si]

inc si

cmp al, a[si]

jc noexchange

xchg al, a[si]

mov a[si-1], al

noexchange : dec ch

jnz ~~inloop~~ inloop

dec cl

jnz outloop

mov ah, 4ch

int 21h

end