#Odd-Even

.8086

.model small

.data

arr db, 01h, 02h, 03h, 04h, 05h

ec db ?

oc db ?

.code

start:

mov ax, @data

mov ds, ax

lea si, arr

mov cl,05h

back: mov al, [si]

ror al,01

jc odd

inc ec

jmp down

odd: inc oc

down: inc si

dec cl

jnz back

mov ah, 4ch

int 21h

end start

#Average

.8086

.model small

.data

array db 01h,02h, 03h,04h, 05h, 06h

count db 06h

avg dw ?

.code

start:

mov ax, @data

mov ds, ax

mov ax, 00h

lea si, array

mov cl, count

back: mov dl, [si]

mov dh, 00h

add ax, dx

inc si

dec cl

jnz back

div count

mov avg, ax

mov ah, 4ch

int 3h

end start

output

ax = 004h (for 1,2,3,4,5,6)

ax = 0011h