

EVEN ODD

Data segment

Org 1000h

Array db 11h,22h,33h,44h,55h,66h,77h,88h,99,10h

Org 2000h

Even db ?

Org 3000h

Odd db ?

Data ends

Code segment

Assume cs:code,ds:data

Start:

Mov ax,data

Mov ds,ax

Lea si,array

Lea di,even

Lea bx,odd

Mov ax,00h

Mov cl,0ah

Up:

Mov al,[si]

```
Mov dl,02  
Div dl  
Cmp ah,00h  
Je dn  
Mov al,[si]  
Mov [bx],al  
Inc si  
Inc bx  
Jmp dn1
```

Dn:

```
Mov al,[si]  
Mov [di],al  
Inc si  
Inc di
```

Dn1:

```
Dec cl  
Jnz up
```

Skip:

```
Mov ah,4ch  
Int 21h  
Code ends  
End start
```