Program to exchange the content of 2 arrays element by element.

```
.model small
. data

a  db    10h, 20h, 30h, 40h, 50h
b  db    11h, 22h, 33h, 44h, 55h


. code


mov ax, @data
mov ds, ax


lea  si, a      ; si will have starting address address of a.
lea  di, b      ; di will have starting address of b.


mov  cl, 05h


; loop definition


back:   mov al, [si]    ; [si] retrieves the  element
                          present the address in SI
        xchg al, [di]   ; exchanges the elements in
                          al and [di]
        mov [si], al


inc  si     ; si = si + 1
inc  di
loop back   ; cx = cx + 1 ; if cx! = 0 then jump back to target
```

```asm
; to verify output

lea    si , a
lea    di, b

mov    bl , [si]
mov    bh, [di]

mov    ah , 4ch
int 21h
end
```