Vallisha.M

IBM19CS177

~~.MODEL~~

Program to exchange contents of 2 arrays
element by element

.MODEL SMALL

.DATA

a   db   10h, 20h, 33h, 44h, 50h
b   db   11h, 22h, 30h, 40h, 54h

.CODE

MOV   AX, @DATA
MOV   DS, AX

LEA   SI, a
LEA   DI, b

MOV   CL, 05h

back: mov al, [si]
       ~~~~   xchg al, [di]
       mov   [si], al
  inc si
  inc di
  loop back

; To verify the output

```
mov     SI, a
mov     DI, b
mov     BL, [SI]
mov     BH, [DI]

mov     AH, 4CH
INT     21H
END
```