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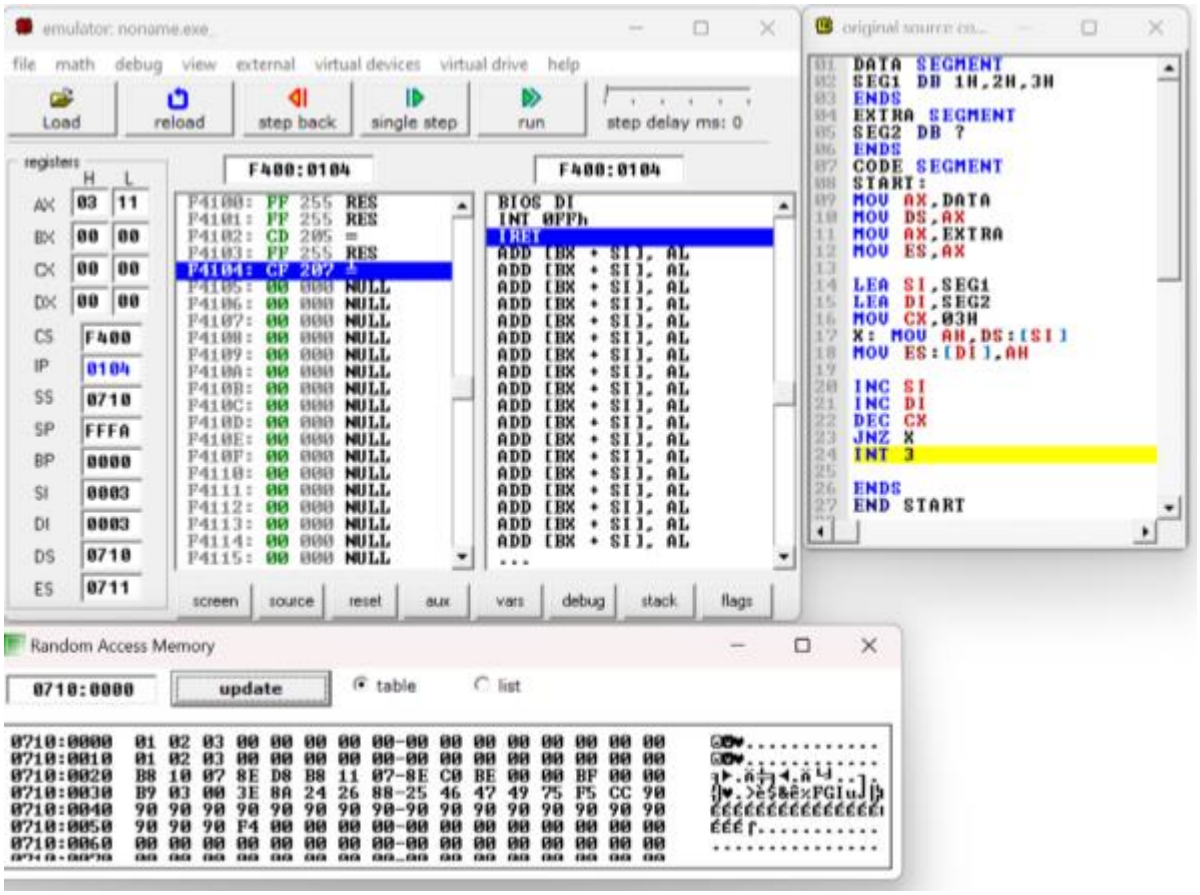
Course:	Processor Organization and Architecture (POA)
Course Code:	DJ19CEL502
Experiment No.:	07

AIM: Assembly program to transfer n block of data from one segment to another segment.

CODE:

```
data segment
        seg1 db 1h,2h,3h
ends
extra segment
        seg2 db ?
ends
code segment
        start:
        mov ax,data
        mov ds,ax
        mov ax,extra
        mov es,ax
        lea si,seg1
        lea di,seg2
        mov cx,03h
        x: mov ah,ds:[si]
        mov es:[di],ah
        inc si
        inc di
        dec cx
        jnz x
        int 3
ends
```

OUTPUT:


emulator: noname.exe
file math debug view external virtual devices virtual drive help
Load reload step back single step run step delay ms: 0
registers
AX 03 11
BX 00 00
CX 00 00
DX 00 00
CS F400
IP 0104
SS 0710
SP FFFA
BP 0000
SI 0003
DI 0003
DS 0710
ES 0711
F400:0104
F400:0104
screen source reset aux vars debug stack flags
DATA SEGMENT
SEG1 DB 1H,2H,3H
ENDS
EXTRA SEGMENT
SEG2 DB ?
ENDS
CODE SEGMENT
START:
MOV AX,DATA
MOV DS,AX
MOV AX,EXTRA
MOV ES,AX
LEA SI,SEG1
LEA DI,SEG2
MOV CX,03H
X: MOV AH,DS:[SI]
MOV ES:[DI],AH
INC SI
INC DI
DEC CX
JNZ X
INT 3
ENDS
END START
Random Access Memory
0710:0000
update
table
list