

## Program 1

Program to move a data block without overlap

```
START: LXI H, F00H
LXI D, F100H MVI C, 04
LOOP :   MOV A, M
STAX D
INX H
INX D
DCR C
JNZ LOOP

HLT
```

### RESULT:

STARTING SRC. ADDR.= F000 STARTING DEST. ADDR.= F100 BLOCK LENGTH= 04

BEFORE EXECUTION			
Src.addr.	Data	Dest.addr.	Data
F000	01	F100	XX
F001	02	F101	XX
F002	03	F102	XX
F003	04	F103	XX

AFTER EXECUTION			
Src.addr.	Data	Dest.addr.	Data
F000	01	F100	01
F001	02	F101	02
F002	03	F102	03
F003	04	F103	04