

Program 5:

write a program to move 5 blocks of data from one location to another location.

Address	Label	OPCode	OPerand	Comment
2000H		LXI	H, 2000h	Load immediately the address source starting address 2000h in HL pair
8003H		LXI	D, 5000h	Load immediately the destination starting address 5000h in DE pair
8006H		MVI	C, 05h	Move immediately the size of block to C, i.e., 05.
8008H	LOOP	MOV	A, M	Move data pointed by HL pair to A.
8009H		STAX	D	Store Accumulator data to the location pointed by DE pair.
800AH		INX	H	increment HL
800BH		INX	D	increment DE
800CH		DCR	C	decrement C
800DH		JNZ	LOOP	Jump to 4 th instruction when C is not zero.
8010H		HLT		Halt