

Perform the following Operations related to memory locations:

Write a program to exchange the contents of memory locations 2000H and 4000H

Program 2:

LXI H 2000H : Initialize HL register pair as a pointer to memory location 2000H.

LXI D 4000H : Initialize DE register pair as a pointer to memory location 4000H.

MOV B, M : Get the contents of memory location 2000H into B register.

LDAX D : Get the contents of memory location 4000H into A register.

MOV M, A : Store the contents of A register into memory location 2000H.

MOV A, B : Copy the contents of B register into accumulator.

STAX D : Store the contents of A

register into memory location 4000H.