

Program 9

Program to implement HEX down counter

START: MVI A,FFH RPTD: PUSH PSW CALL UPDDT CALL DELAY POP PSW SBI 01H JMP RPTD HLT DELAY: LXI B, F424H WAIT: DCX B MOV A,C ORA B JNZ WAIT RET	STEP 1: Initiate the minimum number in accumulator STEP 2: Display in the DATA field STEP 3: Subtract 01 to the present value Displayed. STEP 4: Repeat the steps 2-4. STEP 5: Provide proper display between Each display. STEP 6: Terminating Point.
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RESULT:

- It counts from FF to 00 with the given delay in DATA field.

F	F
F	E

0	1
0	0