

**;Write a program that will check whether the bit D6 of a number stored at 8123 is 0 and its bit D3 is 1. If the condition satisfies display the number.**

**MVI A,05BH ;Put your number here  
MOV B,A  
STA 8123H**

**MVI C,00H**

**RLC;1  
RLC;2  
JC L1  
HLT**

**L1: RLC ;After 2 rotation D3 is now at D5  
RLC  
RLC  
JC L2  
HLT**

**L2: MOV A,B  
OUT 40H  
HLT**