

**;Write a program to rotate the data 3C in port A. Call a delay subroutine for the delaying.**

**MVI B,3CH**

**MVI D,08H**

**LOOP: MOV A,B**

**RLC**

**NOP**

**OUT 40H**

**CC L1**

**MOV B,A**

**L2: DCR D**

**MOV A,D**

**CPI 00H**

**JNC L3**

**L1: INR C**

**RET**

**L3: JZ L4**

**JNZ LOOP**

**L4: HLT**