**;Write a program that takes a BCD number from memory location 8090H, and displays the multiplication table in a port at interval of two seconds (approximately). (Assume the number at address 8090H will not exceed nine). Let 8090H contains 05 then display 05 first and after 2 second display 10 and again after 2 seconds 15 and so on up to 50.**

**MVI A,8 ;Put your BCD number here (<=09H(09D))**

**STA 8090H**

**MOV L,A**

**MVI A,00H**

**MVI H,00H**

**L1: MOV A,H**

**INR E ;E = counter**

**ADD L**

**OUT 40H**

**CALL L4**

**MOV H,A**

**MOV A,E**

**CPI 0AH**

**MOV A,H**

**JNC L2**

**JMP L1**

**L2: JZ L3**

**JMP L1**

**L4: LXI D,0FFFFH ;Approx 0.5 sec delay**

**L5: DCX D**

**MOV A,D**

**ORA E**

**JNZ L5**

**LXI D,0FFFFH ;Approx 0.5 sec delay**

**L6: DCX D**

**MOV A,D**

**ORA E**

**JNZ L6**

**LXI D,0FFFFH ;Approx 0.5 sec delay**

**L7: DCX D**

**MOV A,D**

**ORA E**

**JNZ L7**

**LXI D,0FFFFH ;Approx 0.5 sec delay**

**L8: DCX D**

**MOV A,D**

**ORA E**

**JNZ L8**

**RET**

**L3: HLT**