

**;Write a program to add nos. from one to fifty and display the 16 bit result at port A & B.**

**LXI H,00H**

**LXI B,00H**

**L1: DAD B**

**INR C**

**MOV A,C**

**CPI 33H**

**JNC L2**

**L2: JZ L3**

**JMP L1**

**;Result is at HL**

**L3: MOV A,L**

**OUT 40H**

**MOV A,H**

**OUT 41H**

**HLT**