**;Sixteen bit data are stored in two tables starting at 8040H and 8060H having ten data each. Write an 8085 program to store the sum in the corresponding index of the third table starting at 8080H. (Assume the sum will not exceed 16 bit).**

**LXI B,8040H**

**LXI D,8060H**

**LXI H,8080H**

**L1: STC**

**CMC**

**LDAX B**

**MOV B,A**

**LDAX D**

**ADD B**

**MOV B,E ;Due to limited no of registors**

**MOV E,L**

**STAX D**

**MOV E,B ;Copy back original contents**

**MVI B,80H**

**INR C**

**INR E**

**INR L**

**LDAX B**

**MOV B,A**

**LDAX D**

**ADC B**

**MOV B,E ;Due to limited no of registors**

**MOV E,L**

**STAX D**

**MOV E,B ;Copy back original contents**

**MVI B,80H**

**INR C**

**INR E**

**INR L**

**MOV A,C**

**CPI 60H**

**JNC L2**

**JMP L1**

**L2: JZ L3**

**JMP L1**

**L3: HLT**