

**;There are two tables having ten 16-bit data in each. Write an assembly language program to generate the third table which contains the sum of corresponding element of first and second table.**

**.MODEL SMALL**

**.DATA**

**.CODE**

**MOV DX,0000H**

**MOV BX,0400H**

**MOV CL,00H**

**SET: MOV [BX],CL**

**INC CL**

**MOV [BX+14H],CL**

**INC CL**

**INC BL**

**MOV [BX],CL**

**INC CL**

**MOV [BX+14H],CL**

**INC BX**

**INC CL**

**CMP BL,14H**

**JZ GO**

**JMP SET**

**GO: MOV BX,0400H**

**L1: CLC**

**MOV AL,[BX]**

**INC BX**

**MOV AH,[BX]**

**DEC BX**

**ADD AL,[BX+14H]**

**MOV [BX+28H],AL**

INC BX  
ADC AH,[BX+14H]  
MOV [BX+28H],AH  
INC BX  
CMP BL,14H  
JZ L2  
JMP L1

L2: MOV AH,4CH  
INT 21H  
END