**;Two tables of data are stored having ten 16-bit data each. Write an assembly language program to generate the third table which contains 1FFFH if the corresponding data in first table is less then that of second table, else store 0000.**

**.MODEL SMALL**

**.DATA**

**.CODE**

**MOV BX,0400H**

**L1: CLC**

**MOV AL,[BX]**

**INC BX**

**MOV AH,[BX]**

**DEC BX**

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

**INC BX**

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

**DEC BX**

**CMP AH,DH**

**JC L2**

**JZ L3**

**JMP L4**

**L3:CMP AL,DL**

**JC L2**

**JMP L4**

**L2: MOV [BX+28H],0FFH**

**MOV [BX+28H+01H],01FH**

**JMP L5**

**L4: MOV [BX+28H],00H**

**MOV [BX+28H+01H],00H**

**L5: INC BL**

**INC BL**

**CMP BL,14H**

**JZ L6**

**JMP L1**

**L6: MOV AH,4CH**

**INT 21H**

**END**