

**;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  
.STACK 64  
.CODE**

**MOV CX,000AH  
MOV DI,200H**

**AGAIN:     MOV AX,[DI+20H]  
MOV DX,[DI]  
MOV [DI+40H],0000H  
CMP AX,DX  
JGE NEXT  
MOV [DI+40H],1FFFH**

**NEXT: ADD DI,02H  
LOOP AGAIN  
MOV AH,4CH  
INT 21H**

**END**