**;Convert the problem no 4 for the 16-bit numbers.**

**.MODEL SMALL**

**.STACK 64**

**.CODE**

**MOV DI,0200H**

**MOV [DI],9F9FH**

**MOV [DI+2],1111H**

**MOV [DI+4],8D8DH**

**MOV [DI+6],2626H**

**MOV AX,0000H**

**MOV CX,0004H**

**MOV DI,0200H**

**AGAIN: ADD AX,[DI]**

**JNC TE**

**INC BX**

**TE: INC DI**

**INC DI**

**DEC CX**

**JNZ AGAIN**

**MOV [DI],AX**

**MOV [DI+2],BX**

**MOV AH,4CH**

**INT 21H**

**END**