

**;Write a program to add four 8-bit numbers stored in the memory location starting at 200 and store the result at the end of the table.**

**.MODEL SMALL**

**.STACK 64**

**.CODE**

**MOV DI,0200H**

**MOV [DI],9FH**

**MOV [DI+1],11H**

**MOV [DI+2],8DH**

**MOV [DI+3],26H**

**MOV AX,0000H**

**MOV CX,0004H**

**MOV DI,0200H**

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

**JNC TE**

**INC AH**

**TE: INC DI**

**DEC CX**

**JNZ AGAIN**

**MOV [DI],AX**

**MOV AH,4CH**

**INT 21H**

**END**