

;Write a program in DEBUG to add two 8-bit numbers stored in the memory location DS:300 and DS:302 and store the result at DS:304.

.MODEL SMALL

.STACK 64

.CODE

MOV DI,300H

MOV [DI],0FFH

MOV [DI+2],0A0H

MOV AX,0000H

MOV DI,300H

MOV AL,[DI]

ADD DI,02H

ADD AL,[DI]

JNC TE

INC AH

TE: ADD DI,02H

MOV [DI],AX

MOV AH,4CH

INT 21H

END