**;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**