

;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

.DATA

.CODE

MOV DX,0000H

MOV BX,0300H

MOV CL,00H

MOV [BX],0A4H ;Put first number LSB here

MOV [BX+01H],3BH ;Put first number MSB here

MOV [BX+02H],4BH ;Put second number LSB here

MOV [BX+03H],74H ;Put second number MSB here

MOV AL,[BX]

MOV AH,[BX+01H]

MOV CL,[BX+02H]

MOV CH,[BX+03H]

CLC

ADD AL,CL

ADC AH,CH

MOV [BX+04H],AL

MOV [BX+05H],AH

MOV AH,4CH

INT 21H

END