**;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**