

;Convert the problem no 4 for the 16-bit numbers.

.MODEL SMALL

.DATA

.CODE

MOV DX,0000H

MOV BX,0200H

MOV CL,00H

MOV [BX],08H ;Put your 1st number LSB here

MOV [BX+01H],0DH ;Put your 1st number MSB here

MOV [BX+02H],62H ;Put your 2nd number LSB here

MOV [BX+03H],05H ;Put your 2nd number MSB here

MOV [BX+04],08H ;Put your 3rd number LSB here

MOV [BX+05H],0BH ;Put your 3rd number MSB here

MOV [BX+06H],8DH ;Put your 4th number LSB here

MOV [BX+07H],0E2H ;Put your 4th number MSB here

MOV AL,[BX]

MOV AH,[BX+01H]

MOV CL,[BX+02H]

MOV CH,[BX+03H]

ADD AL,CL

ADC AH,CH

MOV CL,[BX+04H]

MOV CH,[BX+05H]

ADD AL,CL

ADC AH,CH

MOV CL,[BX+06H]

MOV CH,[BX+07H]

ADD AL,CL

ADC AH,CH

MOV [BX+08H],AL
MOV [BX+09H],AH

MOV AH,4CH
INT 21H

END