

;Write an assembly language program to add ten 16-bit numbers stored in memory and store the result.

.MODEL SMALL

.DATA

.CODE

MOV DX,0000H

MOV BX,0400H

MOV CL,00H

SET: INC CL

MOV [BX],CL

INC BX

CMP BL,14H

JZ GO

JMP SET

GO:MOV BX,0400H

L1: CLC

ADD DL,[BX] ;Answer is in DX

INC BX

ADC DH,[BX]

INC BX

CMP BL,14H

JZ L2

JMP L1

L2: MOV AH,4CH

INT 21H

END