**;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**