

**;Write an assemble language program in DEBUG to add four 16-bit numbers and test it.**

**.MODEL SMALL  
.STACK 64  
.DATA  
VALUE DW 2555H, 1530H, 8743H, 9853H  
.CODE**

**MOV AX,@DATA  
MOV DS,AX  
MOV BX,0000H  
MOV AX,0000H  
MOV CX,0004H  
LEA DI,VALUE**

**AGAIN: ADD BX,[DI]  
JNC NOCARRY  
INC AX**

**NOCARRY: ADD DI,2H  
DEC CX  
JNZ AGAIN  
MOV [DI], BX  
ADD DI,2H  
MOV [DI], AX  
MOV AH,4CH  
INT 21H**

**END**