**;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**