

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

**.MODEL SMALL**

**.STACK 64**

**.CODE**

**MOV AX,0A001H ;Put your first numer here**

**MOV BX,10AAH ;Put your second numer here**

**MOV CX,22FEH ;Put your third numer here**

**MOV DX,2291H ;Put your fourth numer here**

**CLC**

**ADD AL,BL**

**ADC AH,BH**

**CLC**

**ADD AL,CL**

**ADC AH,CH**

**CLC**

**ADD AL,DL**

**ADC AH,DH**

**MOV BX,AX ;Answer is in BX**

**MOV AH,4CH**

**INT 21H**

**END**