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## PRACTICAL - 28

**<u>AIM:</u>** Write an assembly language program to multiply two 16-bit numbers in memory and store the result in memory.

## **CODE:**

org 100h

MOV [4000h],0034h

MOV [4002h],175Ch

MOV AX,[4000H]

MOV BX,[4002H]

**MUL BX** 

MOV [4004H],DH

MOV [4005H],DL

MOV [4006H],AH

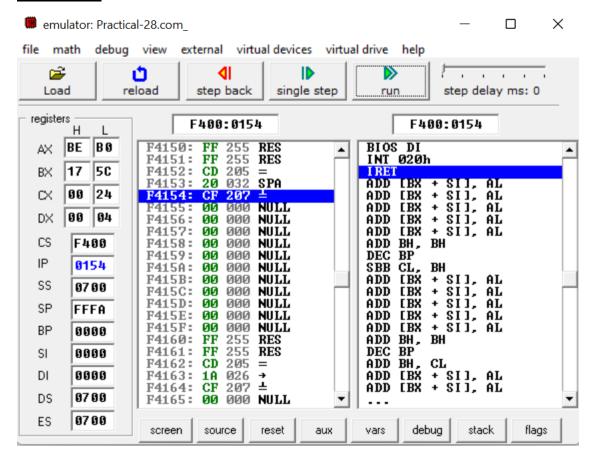
MOV [4007H],AL

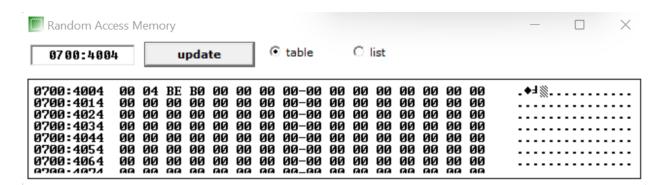
ret

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## **OUTPUT:**





**CONCLUSION:** In this Practical we learnt how to multiply two 16 bit number and store the result in memory.

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