7. Write an assembly language program for multiplying two 16-bit data using 8086 processor.

***PROGRAM:***

lhld 2001

xchg

lhld 2002

mov c,h

mvi a,00h

loop: add d

dcr c

jnz loop

mov h,a

mov b,l

mvi a,00h

lp: add e

dcr b

jnz lp

mov l,a

shld 2005

hlt

***OUTPUT:***

