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 2003

HLT

