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

PROGRAM:

LHLD 8500

MOV D,H

MOV E,L

LDA 8502

MOV C,A

CPI 00

JZ LOOP1

LXI H,0000

LOOP: DAD D

DCR C

JZ LOOP1

JMP LOOP

LOOP1: SHLD 8505

HLT

OUTPUT:

