1. **Write an assembly language program for multiplying two 16-bit datausing 8086 processor.**

LHLD 0003

SPHL

LHLD 0005

XCHG

MVI A,00

LXI H,0000

LXI B,0000

LOOP1: DAD SP

JNC LOOP2

INX B

LOOP2: DCX D

CMP E

JNC SKIP

CMP D

SKIP: JNZ LOOP1

SHLD 0008

MOV H,B

MOV L,C

SHLD 0010

STOP: HLT

