**5. Write an assembly language program for multiplication of two 8-bit data A7 A6 A5 A4 A3 A2 A1 A0 and B7 B6 B5 B4 B3 B2 B1 B0 using 8085 processor.**

LHLD 0000H

XCHG

MOV C,D

MVI D,0000H

LXI H, 0000H

LOOP: DAD D

DCR C

JNZ LOOP

SHLD 0002H

HLT

