**8.Write an assembly language program for dividing two 16-bit datausing 8086 processor.**

LXI B, 0000

LHLD 4500

XCHG

LHLD 4502

LOOP1: MOV A, L

SUB E

MOV L, A

MOV A, H

SUB D

MOV H, A

JM LOOP1

INX B

JMP LOOP2

LOOP2: DAD D

SHLD 4510

MOV L,C

MOV H,B

SHLD 4511

HLT