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.

PROGRAM:

LXI H, 4500H

MVI C, 00H

MOV A, M

INX H

MOV B, M

DCR B

MOV D, A

ADD D

JNC 410FH

INR C

DCR B

JNZ 410AH

INX H

MOV M, A

INX H

MOV M, C

HLT

OUTPUT: Graphical user interface, text, application, Word

Description automatically generated