LAB -5

Q.1 WAP for HEX to BCD conversion of a byte.

Input: (2201H) = FFH

Output: (2202H) = 02

(2203H) = 55

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LXI H, 2201H
MVI D, 00H
MOV C,M
LOOP:
ADI 01H
DAA
JNC SKIP
INR D
SKIP :
DCR C
JNZ LOOP
MOV L,D
MOV H,A
SHLD 2202H
HLT
```
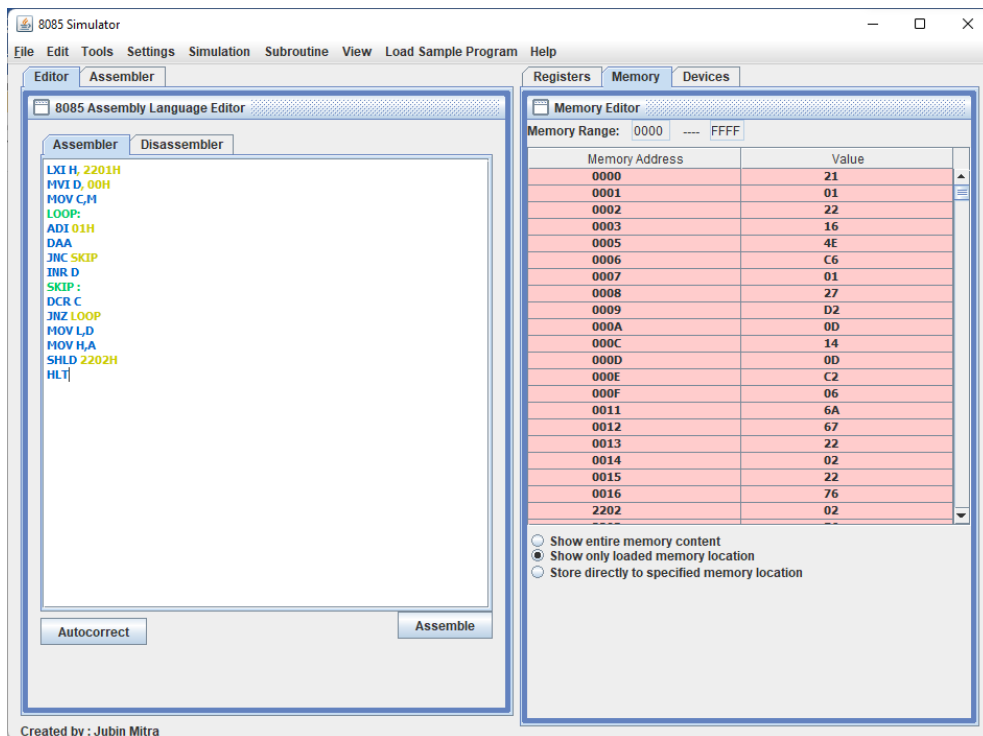
Q.2 WAP for BCD to HEX conversion of a byte.
Input: (2201H) = 28
Output: (2202H) = 1CH

LXI H,2201
MOV A,M
ADD A
MOV B,A
ADD A
ADD A
ADD B
INX H
ADD M
INX H
MOV M,A
HLT