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Write an assembly language program of division of two-8 bit number in 8085 microprocessor

Method 1:

```
LXI H,2050
MOV B,M ;B=3
MVI C,00
INX H
MOV A,M ;A=8
LOOP: CMP B ; IF A=8 > B=3 THEN CY=0
JC NEXT ; JUMP IF C=1
SUB B
INR C
JMP LOOP
NEXT: STA 2052
MOV A,C
STA 2053
HLT
```

Result:

Memory Location	Data value
2050	3
2051	8
2052	2
2053	2

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Method 2:

```
LXI H,2050
MOV A,M
MVI C,0FFH
INX H
MOV B,M
REPEAT: INR C
SUB B
JNC REPEAT
ADD B
INX H
MOV M,C
INX H
MOV M,A
HLT
```