

# All Online Learning

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**Write an assembly language program for subtraction of two-8bit number with borrow in 8085 microprocessor.**

**Program:**

```
MVI C,00
MVI A,131
MVI B,255
SUB B
JNC L
INR C
L: STA 2050
MOV A,C
STA 2051
HLT
```

**Observation:**

**INPUT:**

A =  $(83)_{16} = (131)_{10}$  , B =  $(FF)_{16} = (255)_{10}$

**OUTPUT:**

2050:132

2051:1

**Result:**

Memory Location	Data value
2048	131
2049	255
2050	132
2051	01