

# Program 1: Add two 8-bit data using 8085

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

Register	Value
A	19
BC	0A 00
DE	00 00
HL	00 00
PSW	00 00
PC	42 0C
SP	FF FF
Int-Reg	00

Flag

Flag	Value
S	0
Z	0
AC	1
P	0
C	0

Load me at

```
1 LDA 3052
2 MOV B,A
3 LDA 3054
4 ADD B
5 STA 3056
6 HLT
```

Decimal - Hex Conversion

Decimal: 0 Hex: 0

To Hex To Dec

I/O Ports

0 - + 00

Update Port Value

Memory

0 - + 00

Update Memory

Start: 3052

Address (Hex)	Address	Data
0BEC	3052	10
0BED	3053	0
0BEE	3054	15
0BEF	3055	0
0BF0	3056	25
0BF1	3057	0
0BF2	3058	0
0BF3	3059	0
0BF4	3060	0
0BF5	3061	0
0BF6	3062	0
0BF7	3063	0
0BF8	3064	0
0BF9	3065	0

Line No Assembler Message

```
0 Program assembled successfully
```

Simulator: Idle

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