

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

Register	Value
A	00
BC	03 00
DE	00 00
HL	1F 4A
PSW	00 00
PC	42 17
SP	FF FF
Int-Reg	00

Flag

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

Decimal - Hex Conversion

Decimal: 0 Hex: 0

To Hex To Dec

I/O Ports

0 - + 00

Update Port Value

Memory

0 - + 00

Update Memory

Load me at:

```
1 LXI H, 8000
2 MOV C, M
3 INX H
4 MOV B, M
5 DCR C
6 LOOP: INX H
7 MOV A, M
8 CMP B
9 JC SKIP
10 MOV B, A
11 SKIP: DCR C
12 JNZ LOOP
13 LXI H, 8010
14 MOV M, B
15 HLT
```

Start 8000 OK

Address (Hex)	Address	Data
1F40	8000	12
1F41	8001	3
1F42	8002	0
1F43	8003	0
1F44	8004	0
1F45	8005	0
1F46	8006	0
1F47	8007	0
1F48	8008	0
1F49	8009	0
1F4A	8010	3
1F4B	8011	0

Line No Assembler Message

0 Program assembled successfully

Simulator: Idle

91°F Haze

Windows Taskbar: File Explorer, Edge, VS Code, etc.

System Tray: ENG IN, 10:43, 22-09-2022