

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers	
A	08
BC	02 00
DE	00 02
HL	21 34
PSW	00 00
PC	42 1A
SP	FF FF
Int-Reg	00

Flag

Load me at

S	0
Z	1
AC	0
P	1
C	0

Decimal - Hex Conversion

Decimal	Hex
0	0
16	

To Hex To Dec

I/O Ports

0	-	+	00
---	---	---	----

Update Port Value

Memory

8501	-	+	00
------	---	---	----

Update Memory

```

1 LXI H, 8050
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 JNC SKIP
10 MOV B, A
11 SKIP: DCR C
12 JNZ LOOP
13 JNZ LOOP
14 LXI H, 8500
15 MOV M, B
16 HLT

```

Data Stack KeyPad Memory I/O Ports

Start 8050 OK

Address (Hex)	Address	Data
1F72	8050	5
1F73	8051	2
1F74	8052	7
1F75	8053	4
1F76	8054	9
1F77	8055	8
1F78	8056	0
1F79	8057	0
1F7A	8058	0
1F7B	8059	0
1F7C	8060	0
1F7D	8061	0
1F7E	8062	0
1F7F	8063	0

Line No Assembler Message

0 Program assembled successfully

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16 HLT

```

Decimal - Hex Conversion

Decimal	Hex
0	0
<input type="button" value="To Hex"/>	<input type="button" value="To Dec"/>

I/O Ports

0 - + 00

 Update Port Value

Memory

8501 - + 00

 Update Memory

Start	Address (Hex)	Address	Data
8500	2134	8500	2
	2135	8501	0
	2136	8502	0
	2137	8503	0
	2138	8504	0
	2139	8505	0
	213A	8506	0
	213B	8507	0
	213C	8508	0
	213D	8509	0
	213E	8510	0
	213F	8511	0
	2140	8512	0
	2141	8513	0

Line No | Assembler Message

0 Program assembled successfully