

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help



Registers			Flag	
A	08		S	0
BC	00	00	Z	1
DE	00	78	AC	0
HL	08	06	P	1
PSW	00	00	C	0
PC	42	15		
SP	FF	FF		
Int-Reg	00			

Decimal - Hex Conversion

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

I/O Ports

<input type="text" value="0"/>	-	+	<input type="text" value="00"/>
<input type="button" value="Update Port Value"/>			

Memory

<input type="text" value="0"/>	-	+	<input type="text" value="00"/>
<input type="button" value="Update Memory"/>			

Load me at

```

1 LXI H,2050
2 MOV C,M
3 DCR C
4 INX H
5 MOV A,M
6 LOOP1: INX H
7 CMP M
8 JNC LOOP
9 MOV A,M
10 LOOP: DCR C
11 JNZ LOOP1
12 STA 2058
13 HLT

```

Data Stack KeyPad **Memory** I/O Ports

Start 2050

OK

Address (Hex)	Address	Data
0802	2050	4
0803	2051	8
0804	2052	5
0805	2053	0
0806	2054	0
0807	2055	0
0808	2056	0
0809	2057	0
080A	2058	8
080B	2059	0
080C	2060	0
080D	2061	0

Line No Assembler Message

0 Program assembled successfully

Simulator: Idle

Type here to search

