

# GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help



## Registers

A	00
BC	05 02
DE	00 0A
HL	01 02
PSW	00 00
PC	42 1F
SP	FF FF
Int-Reg	00

## Flag

S	0
Z	1
AC	0
P	1
C	0

Load me at

```

1  LHLD 2000
2  XCHG
3  LHLD 2002
4  MOV A,D
5  MOV B,H
6  MVI C,00H
7  LOOP: INR C
8  SUB B
9  JNZ LOOP
10 MOV H,C
11 MOV A,E
12 MOV B,L
13 MVI C,00H
14 Ip: INR C
15 SUB B
16 JNZ Ip
17 MOV L,C
18 SHLD 2005
19 HLT
    
```

## 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"/>			

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

Start 2000

OK

Address (Hex)	Address	Data
07D0	2000	10
07D1	2001	0
07D2	2002	5
07D3	2003	0
07D4	2004	0
07D5	2005	2
07D6	2006	0
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	0
07DB	2011	0
07DC	2012	0
07DD	2013	0

Line No Assembler Message

0 Program assembled successfully

Simulator: Idle