

# GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help



## Registers

A	78
BC	00 06
DE	00 78
HL	00 01
PSW	00 00
PC	42 1B
SP	FF FF
Int-Reg	00

## Flag

S	0
Z	1
AC	0
P	1
C	0

Load me at

```

1  LDA 2001
2  MOV B,A
3  MVI C,#01
4  MVI E,#01
5  LOOP: MOV D,C
6  MVI A,00H
7  LP: ADD E
8  DCR D
9  JNZ LP
10 MOV E,A
11 INR C
12 DCR B
13 JNZ LOOP
14 MOV A,E
15 STA 2010
16 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 2001

OK

Address (Hex)	Address	Data
07D1	2001	5
07D2	2002	0
07D3	2003	0
07D4	2004	0
07D5	2005	0
07D6	2006	0
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	120
07DB	2011	0
07DC	2012	0
07DD	2013	0
07DE	2014	0

Line No Assembler Message

0 Program assembled successfully

Simulator: Idle