

A	78		S	0
BC	00	06		
DE	00	78	Z	1
HL	04	4D		
PSW	00	00	AC	0
PC	42	1B	P	1
SP	FF	FF		
Int-Reg	00		C	0

### 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"/>			

```

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 inc c
12 dcr b
13 jnz loop
14 mov a,e
15 sta 2010
16 hlt

```

Start

### Address (Hex) Address Data

07D1	2001	5
07D2	2002	0
07D3	2003	0
07D4	2004	0
07D5	2005	6
07D6	2006	0
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	120
07DB	2011	0
07DC	2012	0

### Line No Assembler Message

0 Program assembled successfully

Simulator: Idle