

# Experiment 7:two 16 bits multiplication

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

Register	Value
A	12
BC	00 00
DE	04 03
HL	08 12
PSW	00 00
PC	42 1D
SP	FF FF
Int-Reg	00

Flag

Flag	Value
S	0
Z	1
AC	0
P	1
C	0

Load me at

```
1 lhld 2001
2 xchg
3 lhld 2005
4 mov c,b
5 mvi a,00h
6 loop: add d
7 dcr c
8 jnz loop
9 mov b,a
10 mov b,l
11 mvi a,00h
12 lp: add e
13 dcr b
14 jnz lp
15 mov l,a
16 shld 2010
17 hit
```

Decimal - Hex Conversion

Decimal	Hex
0	0

I/O Ports

Port	Value
0	00

Memory

Address (Hex)	Address	Data
07D1	2001	3
07D2	2002	4
07D3	2003	0
07D4	2004	0
07D5	2005	6
07D6	2006	2
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	18
07DB	2011	8
07DC	2012	0
07DD	2013	0
07DE	2014	0

Line No Assembler Message

```
0 Program assembled successfully
```

Simulator: Idle

Windows Taskbar: Type here to search, 24°C, 1301, 12-01-2023