

I A,0001
I B,0002
D B
A 0008H
T

Start 01

Address (Hex)	Address	Data
0001	1	16
0002	2	32
0003	3	0
0004	4	0
0005	5	0
0006	6	0
0007	7	0
0008	8	3
0009	9	0
000A	10	0
000B	11	0
000C	12	0
000D	13	0
000E	14	0

Line No Assembler Message

0 Program assembled successfully

ie at

LDA 2050

```

MOV B, A
LDA 2052
ADD B
STA 2062
LDA 2051
MOV B, A
LDA 2053
ADC B
STA 2063
HLT

```

Data

Stack

Keypad

Memory

I/O Port

Start 2050

Address (Hex)	Address	Data
0802	2050	7
0803	2051	6
0804	2052	14
0805	2053	0
0806	2054	0
0807	2055	0
0808	2056	0
0809	2057	0
080A	2058	0
080B	2059	0
080C	2060	0
080D	2061	0
080E	2062	21
080F	2063	6

Line No Assembler Message

0 Program assembled successfully

```
1 MVI A,2000
2 MVI B,2001
3 ADD B
4 STA 2012
5 hlt
```

Start 2000

Address (Hex)	Address	Data
07D0	2000	16
07D1	2001	32
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	0
07DB	2011	0
07DC	2012	161
07DD	2013	0

Line No Assembler Message

0 Program assembled successfully

he at

VI A, 2000

VI B, 2001

UB B

TA 2006|

LT

at

A 2050

```
MOV B, A
LDA 2052
SUB B
STA 2062
LDA 2051
MOV B, A
LDA 2053
ADC B
STA 2063
HLT
```

Data

Stack

Keypad

Memory

I/O Ports

Start | 2050

OK

Address (Hex)	Address	Data
0802	2050	7
0803	2051	6
0804	2052	14
0805	2053	0
0806	2054	0
0807	2055	0
0808	2056	0
0809	2057	0
080A	2058	0
080B	2059	0
080C	2060	0
080D	2061	0
080E	2062	7
080F	2063	6

Line No Assembler Message

0 Program assembled successfully