



Registers

A	78
BC	00 02
DE	78 00
HL	07 D1
PSW	00 00
PC	42 10
SP	FF FF
Int-Reg	00

Flag

S	0
Z	1
AC	0
P	1
C	0

Load me at

```
1 LXI H,2000
2 MOV B,M
3 MVI D,01H
4 FACTORIAL: CALL MULTIPLY
5 DCR B
6 JNZ FACTORIAL
7 INX H
8 MOV M,D
9 HLT
10 MULTIPLY: MOV E,B
11 MVI A,00H
12 MULTIPLYLOOP: ADD D
13 DCR E
14 JNZ MULTIPLYLOOP
15 MOV D,A
16 STA 2001
17 RET
```

Decimal - Hex Conversion

Decimal

Hex

0

0

→ To Hex

← To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

0

-

+

00

Update Memory

Data Stack KeyPad Memory I/O Ports

Start 2000

OK

Address (Hex) Address Data

07D0	2000	5
07D1	2001	120
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	0
07DD	2013	0

Line No Assembler Message

0 Program assembled successfully