10-Factorial

Program

MVI A, 06

MOV C, A

MOV E, A

LOOP1: DCR E

JZ END

MOV D, E

MVI H, 00

MVI L, 00

LOOP2: DAD B

DCR D

JNZ LOOP2

MOV B, H

MOV C, L

JMP LOOP1

END: HLT

HLT

Output

Registers

A	06	
BC	72	D0
DE	00	00
HL	72	D0
PSW	00	00
PC	42	18
SP	FF	FF
Int-Reg	00	

Flag

S	0
Z	1
AC	0
P	1
C	0

Decimal - Hex Convertion

Decimal	Hex
0	0
To Hex	To Dec

I/O Ports

0	−	+	00

Load me at _____

```
1    MVI A, 06
2    MOV C, A
3    MOV E, A
4
5    LOOP1: DCR E
6    JZ END
7    MOV D, E
8    MVI H, 00
9    MVI L, 00
10   LOOP2: DAD B
11   DCR D
12   JNZ LOOP2
13   MOV B, H
14   MOV C, L
15   JMP LOOP1
16
17   END: HLT
18
19   HLT
```