

# 28-Addition of n numbers

## Program

```
LXI H,8000  
  
MOV C,M  
  
LXI H,8010  
  
XRA A  
  
MOV E,A  
  
LOOP: ADD M  
  
JNC SKIP  
  
INR E  
  
SKIP: DCR C  
  
INX H  
  
JNZ LOOP  
  
LXI H,9000  
  
MOV M,A  
  
INX H  
  
MOV M,E  
  
HLT
```

## Output

FileResetAssemblerDebugHelp

Registers

A11

BC0300

DE0600

HL2329

PSW0000

PC421A

SPFFFF

Int-Reg00

Flag

S0

Z1

AC0

P1

C0

Decimal - Hex Conversion

Decimal

Hex

00

00

To Hex

To Dec

I/O Ports

0-+00

Update Port Value

Memory

0-+00

Update Memory

Load me at

1LXI H, 9000

2MOV C, M

3LXI B, 9010

4XRA A

5MOV E, A

6LOOP: ADD M

7JNC SKIP

8INR B

9SKIP: DCR C

10INX H

11JNZ LOOP

12LXI H, 9000

13MOV M, A

14INX H

15MOV M, E

16HLT

DataStackKeyPadMemoryI/O Ports

Start9000OK

Address (Hex)AddressData

2328900017

232990010

232A90020

232B90030

232C90040

232D90050

232E90060

232F90070

233090080

233190090

233290100

233390110

233490120

233590130

Line NoAssembler Message

0Program assembled successfully

Simulator: Idle