

File Reset Assembler Debug Help



Registers

| | | |
|---------|----|----|
| A | 07 | |
| BC | 0D | 00 |
| DE | 00 | 00 |
| HL | 1F | 42 |
| PSW | 00 | 00 |
| PC | 42 | 1D |
| SP | FF | FF |
| Int-Reg | 00 | |

Flag

| | |
|----|---|
| S | 0 |
| Z | 1 |
| AC | 0 |
| P | 1 |
| C | 1 |

Load me at

```
1  LXI  H,8000
2  MOV  C,M
3  DCR  C
4  LOOP3: MOV  D,C
5  LXI  H,8001
6  LOOP2: MOV  A,M
7  INX  H
8  CMP  M
9  JC   LOOP1
10 MOV  B,M
11 MOV  M,A
12 DCX  H
13 MOV  M,B
14 INX  H
15 LOOP1: DCR  D
16 JNZ  LOOP2
17 DCR  C
18 JNZ  LOOP3
19 HLT
```

Decimal - Hex Conversion

Decimal

Hex

0

0

↗ To Hex

↖ To Dec

I/O Ports

0

-

+

00

⌚ Update Port Value

Memory

8001

-

+

17

⌚ Update Memory

Data Stack Keypad **Memory** I/O Ports

Start

| Address (Hex) | Address | Data |
|---------------|---------|------|
| 1F40 | 8000 | 3 |
| 1F41 | 8001 | 17 |
| 1F42 | 8002 | 7 |
| 1F43 | 8003 | 13 |
| 1F44 | 8004 | 0 |
| 1F45 | 8005 | 0 |
| 1F46 | 8006 | 0 |
| 1F47 | 8007 | 0 |
| 1F48 | 8008 | 0 |
| 1F49 | 8009 | 0 |
| 1F4A | 8010 | 0 |
| 1F4B | 8011 | 0 |
| 1F4C | 8012 | 0 |
| 1F4D | 8013 | 0 |

Line No **Assembler Message**

0 Program assembled successfully



Registers

| | | |
|---------|----|----|
| A | 07 | |
| BC | 0D | 00 |
| DE | 00 | 00 |
| HL | 1F | 42 |
| PSW | 00 | 00 |
| PC | 42 | 1D |
| SP | FF | FF |
| Int-Reg | 00 | |

Flag

| | |
|----|---|
| S | 0 |
| Z | 1 |
| AC | 0 |
| P | 1 |
| C | 1 |

Load me at

```
1  LXI  H,8000
2  MOV  C,M
3  DCR  C
4  LOOP3: MOV D,C
5  LXI  H,8001
6  LOOP2: MOV A,M
7  INX  H
8  CMP  M
9  JC   LOOP1
10 MOV  B,M
11 MOV  M,A
12 DCX  H
13 MOV  M,B
14 INX  H
15 LOOP1: DCR D
16 JNZ  LOOP2
17 DCR  C
18 JNZ  LOOP3
19 HLT
```

Decimal - Hex Conversion

| | |
|-----------------------------------------|-----------------------------------------|
| Decimal | Hex |
| <input type="text" value="0"/> | <input type="text" value="0"/> |
| <input type="button" value="→ To Hex"/> | <input type="button" value="← To Dec"/> |

I/O Ports

| | | | |
|----------------------------------------------------|---|---|---------------------------------|
| <input type="text" value="0"/> | - | + | <input type="text" value="00"/> |
| <input type="button" value="⌂ Update Port Value"/> | | | |

Memory

| | | | |
|------------------------------------------------|---|---|---------------------------------|
| <input type="text" value="8001"/> | - | + | <input type="text" value="07"/> |
| <input type="button" value="⌂ Update Memory"/> | | | |

Start

| Address (Hex) | Address | Data |
|---------------|---------|------|
| 1F40 | 8000 | 3 |
| 1F41 | 8001 | 7 |
| 1F42 | 8002 | 13 |
| 1F43 | 8003 | 17 |
| 1F44 | 8004 | 0 |
| 1F45 | 8005 | 0 |
| 1F46 | 8006 | 0 |
| 1F47 | 8007 | 0 |
| 1F48 | 8008 | 0 |
| 1F49 | 8009 | 0 |
| 1F4A | 8010 | 0 |
| 1F4B | 8011 | 0 |
| 1F4C | 8012 | 0 |
| 1F4D | 8013 | 0 |

Line No Assembler Message

0 Program assembled successfully