GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

715.0 KBps
28.2 KBps

Registers

A	50	
BC	32	00
DE	00	00
HL	00	00
PSW	00	00
PC	42	0C
SP	FF	FF
Int-Reg	00	

Flag

S 0
Z 0
AC 1
P 1
C 0

Decimal - Hex Convertion

Decimal: 0 — To Hex
Hex: 0 — To Dec

I/O Ports

0 − + 00
Update Port Value

Memory

0 − + 00
Update Memory

Load me at

```
1  LDA 8500
2  MOV B, A
3  LDA 8501
4  ADD B
5  STA 8502
6  RST 1
```

Data | Stack | KeyPad | **Memory** | I/O Ports

Start 8500 OK

Address (Hex)	Address	Data
2134	8500	50
2135	8501	30
2136	8502	80
2137	8503	0
2138	8504	0
2139	8505	0
213A	8506	0
213B	8507	0
213C	8508	0
213D	8509	0
213E	8510	0
213F	8511	0
2140	8512	0
2141	8513	0

Line No	Assembler Message
0	Program assembled successfully

Simulator: Idle

Search

ENG IN

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06-11-2024

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

44.3 KBps
1.2 KBps

Registers

A	03	
BC	02	03
DE	00	00
HL	00	00
PSW	00	00
PC	42	1A
SP	FF	FF
Int-Reg	00	

Flag

S 1
Z 0
AC 0
P 0
C 1

Decimal - Hex Convertion

Decimal: 0 — To Hex
Hex: 0 — To Dec

I/O Ports

0 − + 00
Update Port Value

Memory

0 − + 00
Update Memory

Load me at

```
1  LDA 8501
2  MOV B, A
3  LDA 8500
4  MVI C,00
5  LOOP: CMP B
6  JC LOOP1
7  SUB B
8  INR C
9  JMP LOOP
10 LOOP1: STA 8502
11 MOV A, C
12 STA 8503
13 RST 1
```

Data | Stack | KeyPad | **Memory** | I/O Ports

Start 8500 OK

Address (Hex)	Address	Data
2134	8500	6
2135	8501	2
2136	8502	0
2137	8503	3
2138	8504	0
2139	8505	0
213A	8506	0
213B	8507	0
213C	8508	0
213D	8509	0
213E	8510	0
213F	8511	0
2140	8512	0
2141	8513	0

Line No	Assembler Message
0	Program assembled successfully

Simulator: Idle

30°C Haze
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GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

↓ 254.6 KBps
↑ 10.0 KBps

Registers

A	14	
BC	14	00
DE	00	00
HL	00	00
PSW	00	00
PC	42	0C
SP	FF	FF
Int-Reg	00	

Flag

S 0
Z 0
AC 0
P 1
C 0

Decimal - Hex Convertion

Decimal: 0 — To Hex
Hex: 0 — To Dec

I/O Ports

0 − + 00
Update Port Value

Memory

0 − + 00
Update Memory

Load me at

```
1  LDA 8000
2  MOV B, A
3  LDA 8001
4  SUB B
5  STA 8002
6  RST 1
```

Data | Stack | KeyPad | **Memory** | I/O Ports

Start 8000 OK

Address (Hex)	Address	Data
1F40	8000	20
1F41	8001	40
1F42	8002	20
1F43	8003	0
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

Simulator: Idle

30°C Haze
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GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

491.2 KBps
13.5 KBps

Registers

A	20	
BC	04	00
DE	00	00
HL	00	00
PSW	00	00
PC	42	1A
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

Update Port Value

Memory

0 − + 00

Update Memory

Load me at

```
1  LDA 8500
2  MOV B, A
3  LDA 8501
4  MOV C, A
5  CPI 00
6  JZ LOOP
7  XRA A
8  LOOP1: ADD B
9  DCR C
10 JZ LOOP
11 JMP LOOP1
12 LOOP: STA 8502
13 RST 1
```

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

Start 8500 OK

Address (Hex)	Address	Data
2134	8500	4
2135	8501	8
2136	8502	32
2137	8503	0
2138	8504	0
2139	8505	0
213A	8506	0
213B	8507	0
213C	8508	0
213D	8509	0
213E	8510	0
213F	8511	0
2140	8512	0
2141	8513	0

Line No	Assembler Message
0	Program assembled successfully

Simulator: Idle

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GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

375.3 KBps
11.8 KBps

Registers

A	08	
BC	02	00
DE	1A	18
HL	12	18
PSW	00	00
PC	42	14
SP	FF	FF
Int-Reg	00	

Flag

S 0
Z 0
AC 0
P 0
C 0

Decimal - Hex Convertion

Decimal: 0 — To Hex

Hex: 0 — To Dec

I/O Ports

0 − + 00

Update Port Value

Memory

0 − + 00

Update Memory

Load me at

```
1  LHLD 2050
2  XCHG
3  LHLD 2052
4  MVI C,00
5  MOV A, E
6  SUB L
7  STA 2054
8  MOV A, D
9  SUB H
10 STA 2055
11 HLT
```

Data | Stack | KeyPad | **Memory** | I/O Ports

Start 2050 OK

Address (Hex)	Address	Data
0802	2050	24
0803	2051	26
0804	2052	24
0805	2053	18
0806	2054	0
0807	2055	8
0808	2056	0
0809	2057	0
080A	2058	0
080B	2059	0
080C	2060	0
080D	2061	0
080E	2062	0
080F	2063	0

Line No	Assembler Message
0	Program assembled successfully

Simulator: Idle

31°C Haze
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14:14 06-11-2024

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

A	03	
BC	02	03
DE	22	0C
HL	39	1B
PSW	00	00
PC	42	0C
SP	FF	FF
Int-Reg	00	

Flag

S 1
Z 0
AC 0
P 0
C 0

Decimal - Hex Convertion

Decimal: 0 — To Hex
Hex: 0 — To Dec

I/O Ports

0 − + 00
Update Port Value

Memory

0 − + 00
Update Memory

Load me at

```
1  LHLD 2500
2  XCHG
3  LHLD 2502
4  DAD D
5  SHLD 2504
6  HLT
```

Data | Stack | KeyPad | **Memory** | I/O Ports

Start 2500 OK

Address (Hex)	Address	Data
09C4	2500	12
09C5	2501	34
09C6	2502	15
09C7	2503	23
09C8	2504	27
09C9	2505	57
09CA	2506	0
09CB	2507	0
09CC	2508	0
09CD	2509	0
09CE	2510	0
09CF	2511	0
09D0	2512	0
09D1	2513	0

Line No	Assembler Message
0	Program assembled successfully

Simulator: Idle

0 % 0.0KB/s 0.0KB/s Search the web
411.4 KBps 11.9 KBps
31°C Haze
Search
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