



FileResetAssemblerDebugHelp

Registers

A00

BC0000

DE000A

HL0005

PSW0000

PC4214

SPFFFF

Int-Reg00

Flag

S0

Z1

AC0

P1

C0

Load me at

1LHLD2050

2XCHG

3LHLD2052

4MVI C,00

5MOV A, E

6SUB L

7STA 2054

8MOV A, D

9SUB H

10STA 2055

11HLT

Decimal - Hex Conversion

Decimal

Hex

00

To Hex

To Dec

I/O Ports

0-+00

Update Port Value

Memory

0-+00

Update Memory

GNUSim8085 - 8085 Microprocessor Simulator

DataStackKeyPadMemoryI/O Ports

Start2050OK

Address (Hex)	Address	Data
0802	2050	10
0803	2051	0
0804	2052	5
0805	2053	0
0806	2054	5
0807	2055	0
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 NoAssembler Message

0Program assembled successfully

Simulator: Idle

32°C Rain showers

Search

16-10-202312:29

FileResetAssemblerDebugHelp

Registers

A78

BC0006

DE0078

HL0000

PSW0000

PC4218

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

1LDA 2001

2MOV B,A

3MVI C,#01

4MVI E,#01

5LOOP: MOV D,C

6MVI A,00H

7LP: ADD E

8DCR D

9JNZ LP

10MOV E,A

11INR C

12DCR B

13JNZ LOOP

14MOV A,E

15STA 2002

16HLT

DataStackKeyPadMemoryI/O Ports

Start2001OK

Address (Hex)	Address	Data
07D1	2001	5
07D2	2002	120
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
07DE	2014	0

Line NoAssembler Message

0Program assembled successfully

Simulator: Idle

33°CFeels hotter

Search

16-10-2023

12:43

FileResetAssemblerDebugHelp

Registers

A00

BC0000

DE0000

HL0000

PSW0000

PC4222

SP000A

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

1LHLD 2050

2

3SPHL

4LHLD 2052

5XCHG

6LXI H,0000H

7LXI B,0000H

8AGAIN: DAD SP

9JNC START

10INX B

11START: DCX D

12MOV A,E

13ORA D

14JNZ AGAIN

15SHLD 2054

16MOV L,C

17MOV H,B

18SHLD 2056

HLT

DataStackKeyPadMemoryI/O Ports

Start2050OK

Address (Hex)	Address	Data
0802	2050	10
0803	2051	0
0804	2052	5
0805	2053	0
0806	2054	50
0807	2055	0
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 NoAssembler Message

0Program assembled successfully

Simulator: Idle

32°C Rain showers

Search

Taskbar icons

ENG IN

12:34 16-10-2023

FileResetAssemblerDebugHelp

Registers

A02

BC0106

DE0000

HL0000

PSW0000

PC420C

SPFFFF

Int-Reg00

Flag

S0

Z0

AC0

P0

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

1LDA8000

2MOV B, A

3LDA8001

4SUB B

5STA8002

6RST 1

7

DataStackKeyPadMemoryI/O Ports

Start8000OK

Address (Hex)	Address	Data
1F40	8000	1
1F41	8001	3
1F42	8002	2
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 NoAssembler Message

0Program assembled successfully

Simulator: Idle

31°C
Mostly cloudy

Search

ENG
IN

10:31
16-10-2023

GNUSim8085 - 8085 Microprocessor Simulator

FileResetAssemblerDebugHelp

Registers

A06

BC0206

DE0000

HL0000

PSW0000

PC421A

SPFFFF

Int-Reg00

Flag

S1

Z0

AC0

P1

C1

Decimal - Hex Conversion

DecimalHex

00

To HexTo Dec

I/O Ports

0-+00

Update Port Value

Memory

0-+00

Update Memory

Load me at

1LDA 4201

2MOV B,A

3LDA 4200

4MVI C,00H

5AGAIN: CMP B

6JC STORE

7SUB B

8INR C

9JMP AGAIN

10STORE: STA 4202

11MOV A,C

12STA 4203

13HLT

DataStackKeyPadMemoryI/O Ports

Start4200OK

Address (Hex)	Address	Data
1068	4200	13
1069	4201	2
106A	4202	1
106B	4203	6
106C	4204	0
106D	4205	0
106E	4206	0
106F	4207	0
1070	4208	0
1071	4209	0
1072	4210	0
1073	4211	0
1074	4212	0
1075	4213	0

Line NoAssembler Message

0Program assembled successfully

Simulator: Idle

31°C
Mostly cloudy

Search

ENG
IN

10:23
16-10-2023

FileResetAssemblerDebugHelp

Registers

A12

BC0600

DE0000

HL0000

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

1LDA 8500

2MOV B, A

3LDA 8501

4MOV C, A

5CPI 00

6JZ LOOP

7XRA A

8LOOP1: ADD B

9DCR C

10JZ LOOP

11JMP LOOP1

12LOOP: STA 8502

13RST 1

DataStackKeyPadMemoryI/O Ports

Start8500OK

Address (Hex)	Address	Data
2134	8500	6
2135	8501	3
2136	8502	18
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 NoAssembler Message

0Program assembled successfully

Simulator: Idle

31°C
Mostly cloudy

Search

ENG
IN

10:35
16-10-2023

FileResetAssemblerDebugHelp

Registers

A05

BC0306

DE0000

HL0000

PSW0000

PC420C

SPFFFF

Int-Reg00

Flag

S0

Z0

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

1LDA 8500

2

3

4MOV B, A

5

6

7LDA 8501

8

9

10ADD B

11

12

13STA 8502

14

15

16RST 1

DataStackKeyPadMemoryI/O Ports

Start8500OK

Address (Hex)	Address	Data
2134	8500	3
2135	8501	2
2136	8502	5
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 NoAssembler Message

0Program assembled successfully

Simulator: Idle

ENG - AFG

AFG win

Search

ENG IN

10:29

16-10-2023