

# GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help



## Registers

A	00
BC	06 00
DE	00 0A
HL	01 02
PSW	00 00
PC	42 1A
SP	FF FF
Int-Reg	00

## Flag

S	1
Z	0
AC	0
P	0
C	1

Load me at

```

1 LDA 4200
2 MOV B,A
3 LDA 4201
4 MVI C,00H
5 AGAIN: CMP B
6 JC STORE
7 SUB B
8 INR C
9 JMP AGAIN
10 STORE: STA 4202
11 MOV A,C
12 STA 4203
13 HLT
    
```

## Decimal - Hex Conversion

Decimal

Hex

0 0

→ To Hex

← To Dec

## I/O Ports

0 - + 00

Update Port Value

## Memory

0 - + 00

Update Memory

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

Start 4200

OK

Address (Hex)	Address	Data
1068	4200	6
1069	4201	3
106A	4202	3
106B	4203	0
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

Address (Hex)	Address	Data
1068	4200	6
1069	4201	3
106A	4202	3
106B	4203	0
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 No Assembler Message

0 Program assembled successfully

Simulator: Idle



Search



ENG  
US



14:22  
27-11-2023

