

8-Bit Addition

Program

MVI A,00H

MVI B,08H

MVI C,06H

ADD B

ADD C

MOV D,A

HLT

Output

The screenshot shows a software interface for simulating an 8085 microprocessor. It includes a menu bar (File, Reset, Assembler, Debug, Help), a toolbar with icons for file operations and execution, and a main display area. The main display is divided into three sections: Registers, Flag, and a program listing.

Registers	
A	0E
BC	08 06
DE	0E 00
HL	00 00
PSW	00 00
PC	42 0A
SP	FF FF
Int-Reg	00

Flag	
S	0
Z	0
AC	0
P	0
C	0

Load me at:

```
1 MVI A, 00H
2 MVI B, 08H
3 MVI C, 06H
4 ADD B
5 ADD C
6 MOV D, A
7 HLT
```