

03-8 bit Subtraction

Program

MVI A,05H

MVI C,06H

ADD B

SUB C

MOV D,A

HLT

Output

The screenshot displays an 8085 assembly simulator interface. The menu bar includes File, Reset, Assembler, Debug, and Help. The toolbar contains icons for file operations, execution, and debugging. The main window is divided into three sections: Registers, Flag, and a program list.

Registers:

| Register | Value |
|----------|-------|
| A | 05H |
| BC | 00 06 |
| DE | FF 00 |
| HL | 00 00 |
| PSW | 00 00 |
| PC | 42 08 |
| SP | FF FF |
| Int-Reg | 00 |

Flag:

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

Program List:

| Line | Instruction |
|------|-------------|
| 1 | MVI A,05H |
| 2 | MVI C,06H |
| 3 | ADD B |
| 4 | SUB C |
| 5 | MOV D,A |
| 6 | HLT |

At the bottom, there is a section for "Decimal - Hex Conversion".