**OC EXPERIMENT LAB 7**

**TITLE**: Writing 8051 assembly language program of basic arithmetic operations

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**OBSERVATION**: In this lab I learnt how to write 8051 assembly language programs in keil software of basic arithmetic operations using different addressing modes.

Q1. Write an 8051-assembly language program to perform the following operations

- addition

- subtraction

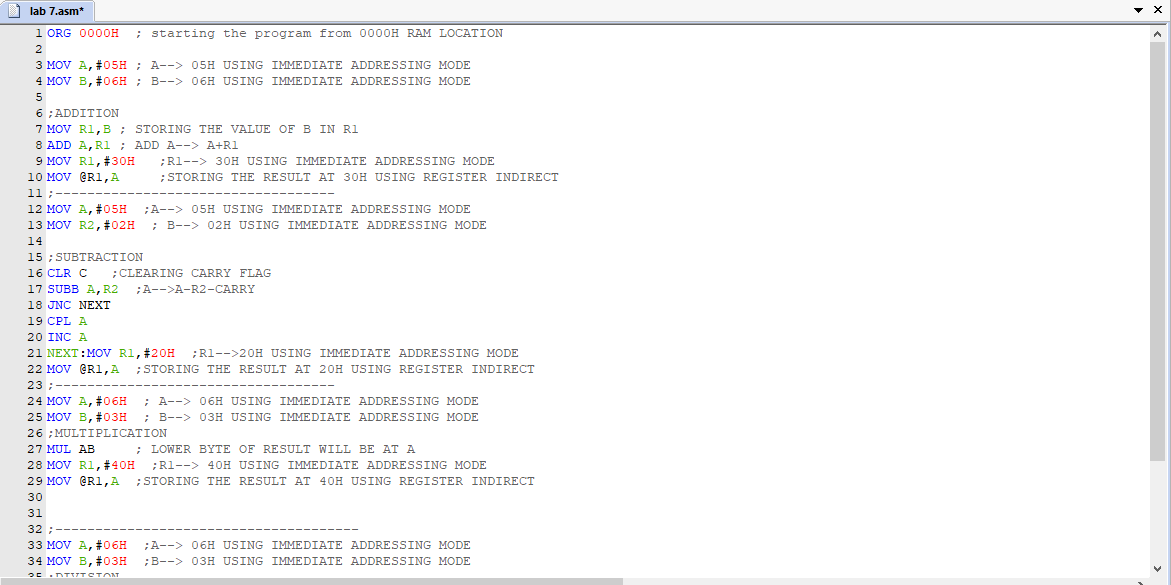
- division

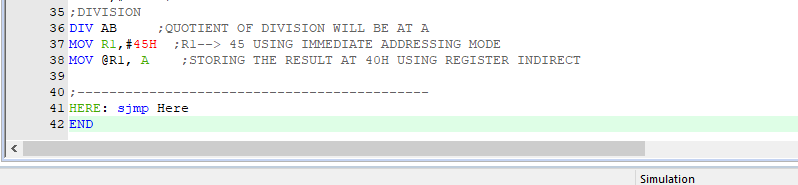
- multiplication

between two numbers using the concept of different addressing modes

and also illustrates the flags (AC, CY, OV, PF).

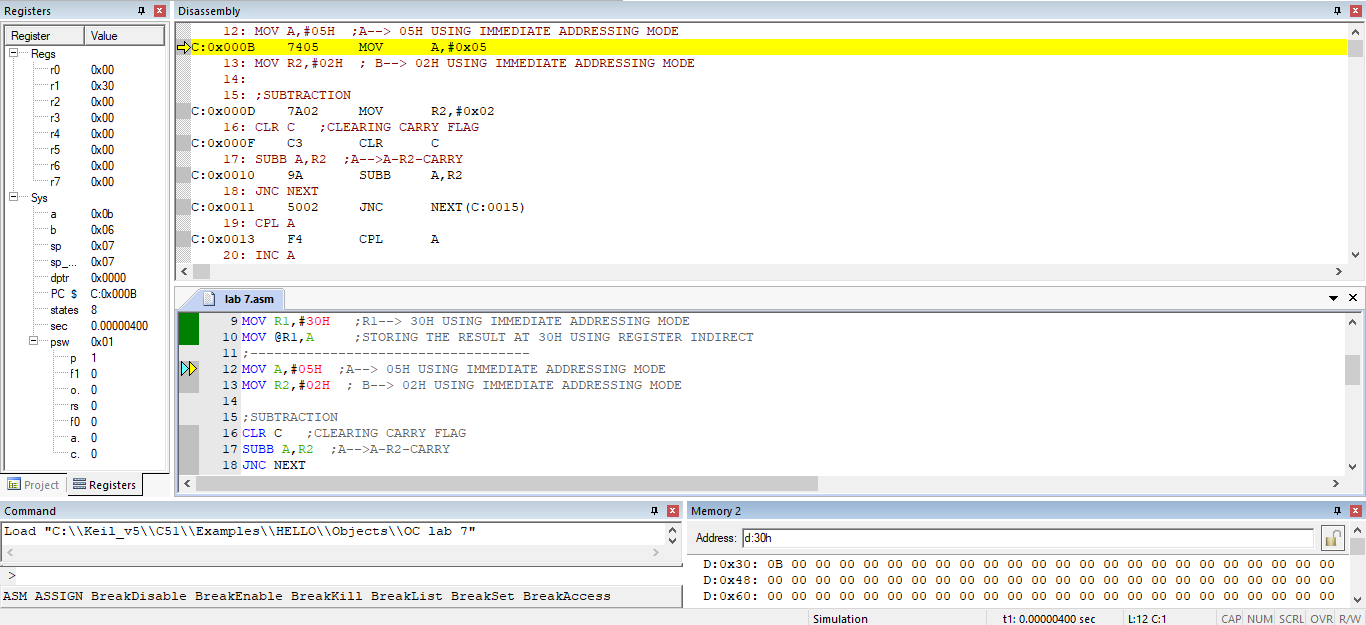
PROGRAM:



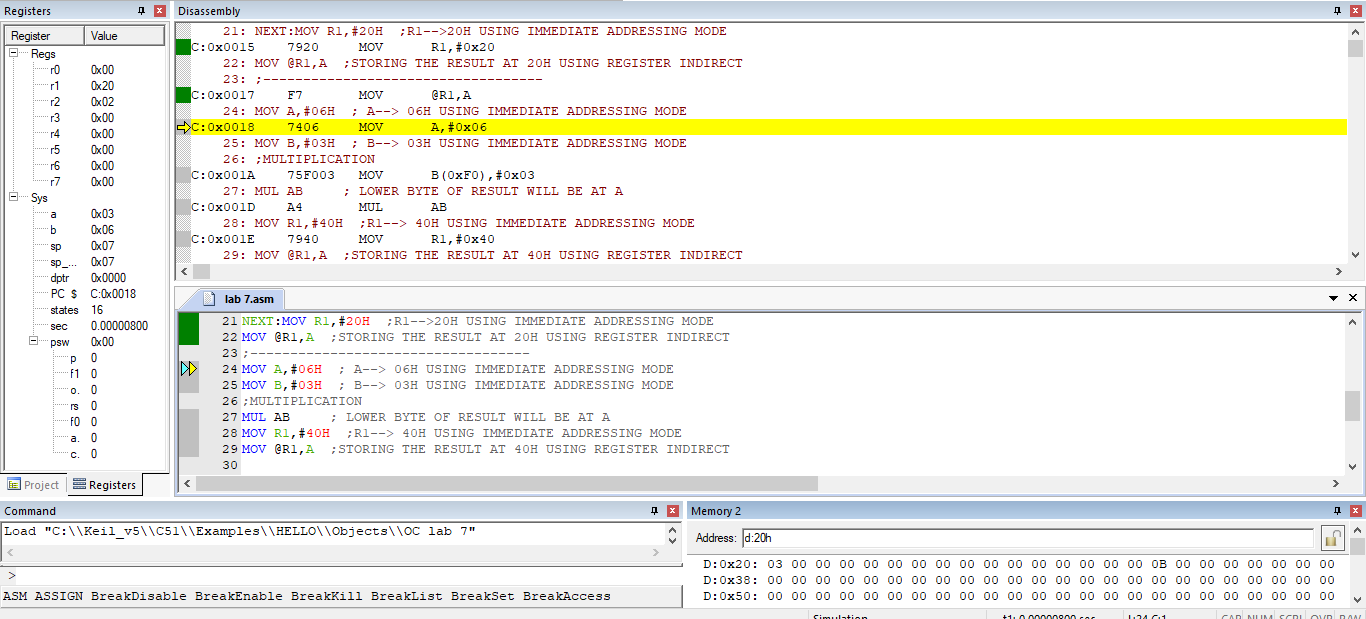


EMULATING:

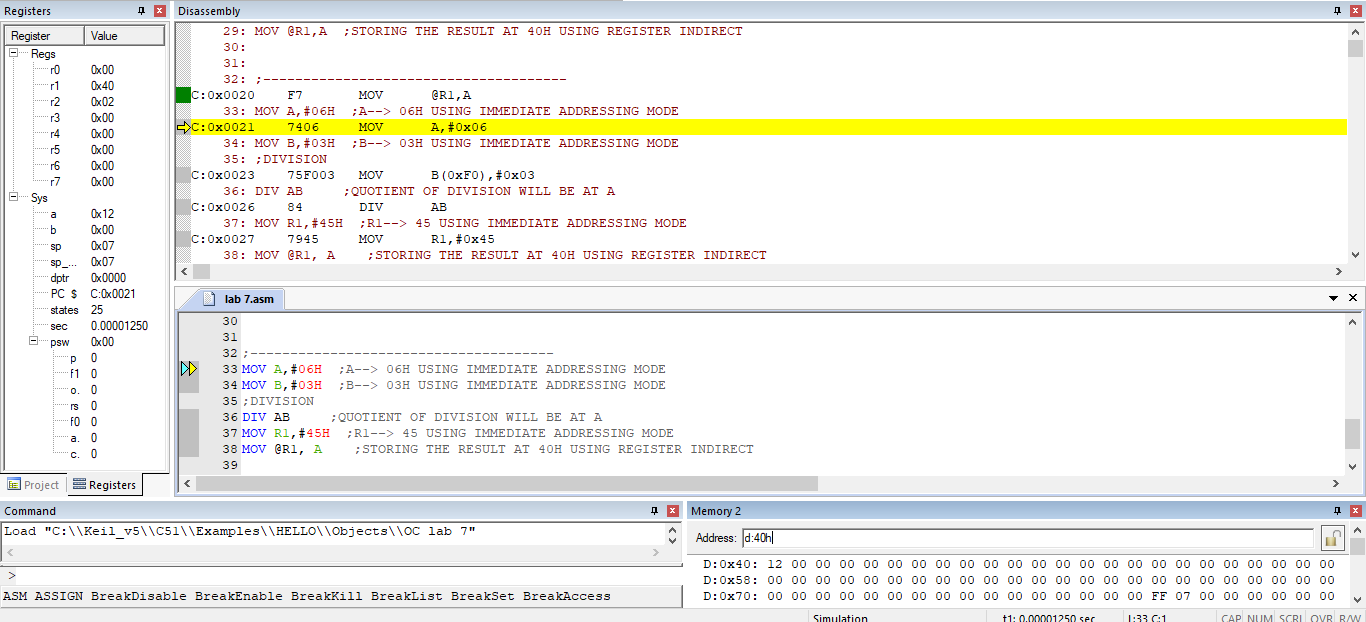
After addition:



After subtraction:



After multiplication:



After division:

