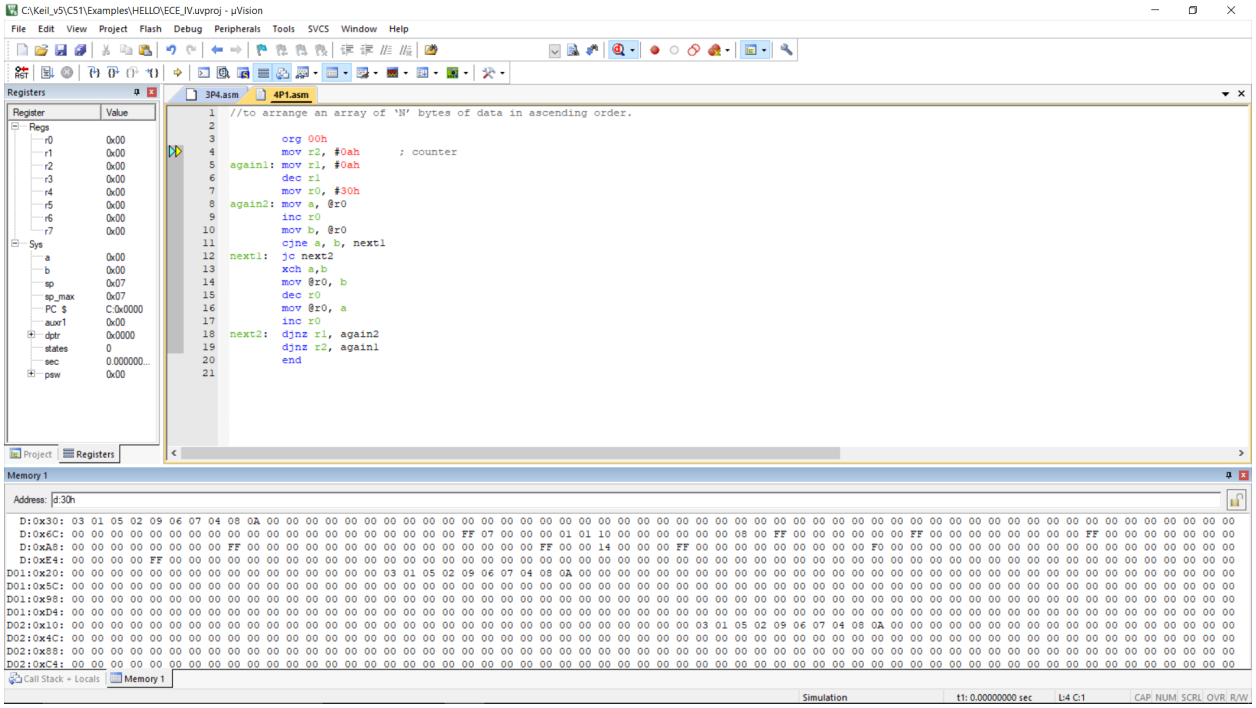
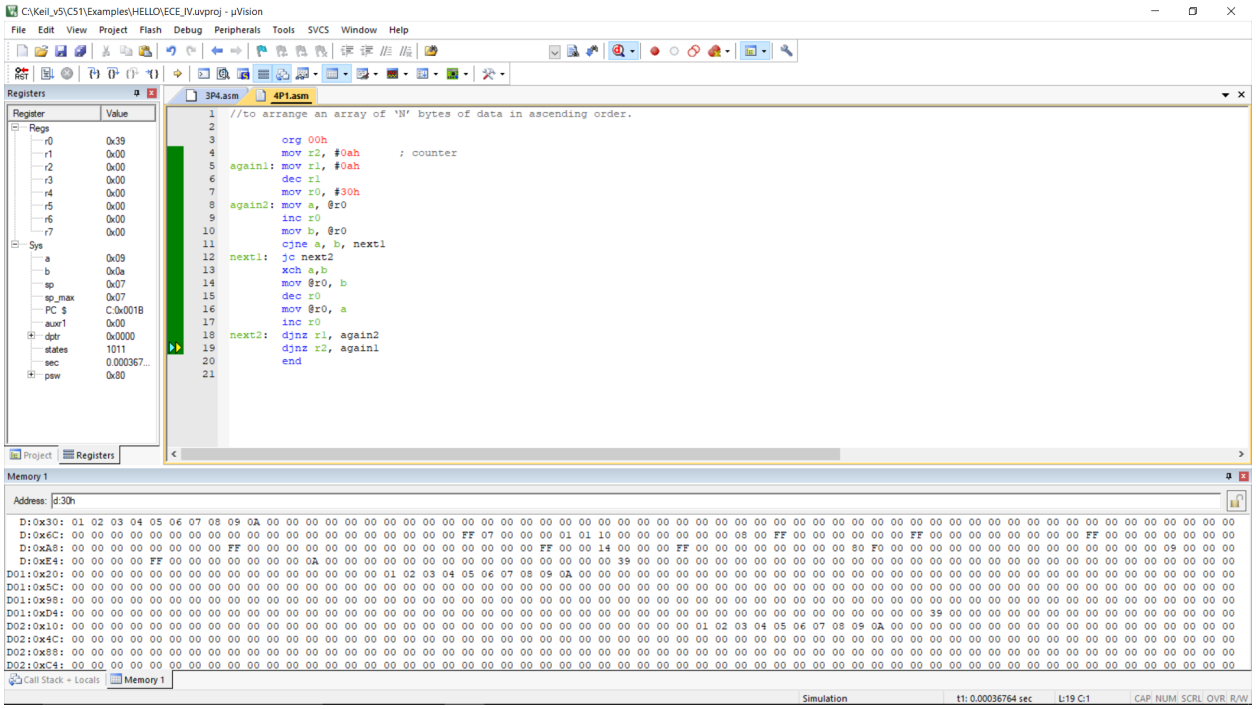
SET 4

Write an 8051 assembly level program to arrange an array of ‘N’ bytes of data in ascending order.

Before execution:

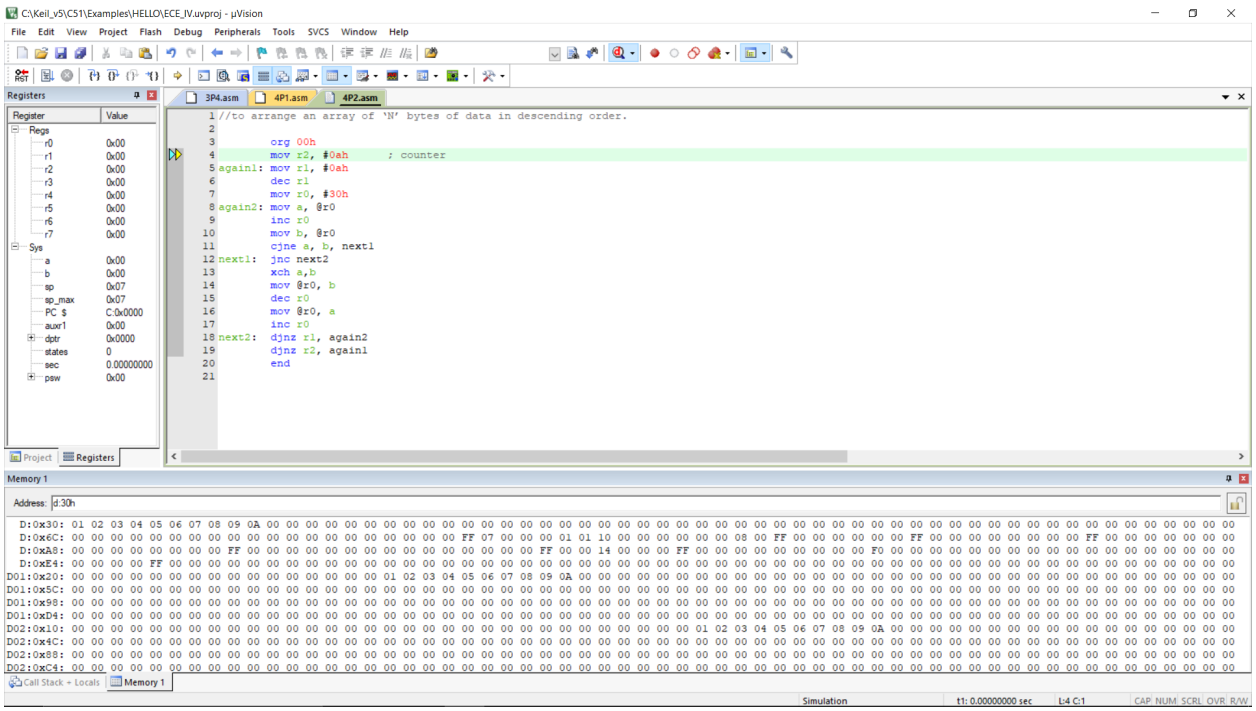


After execution:

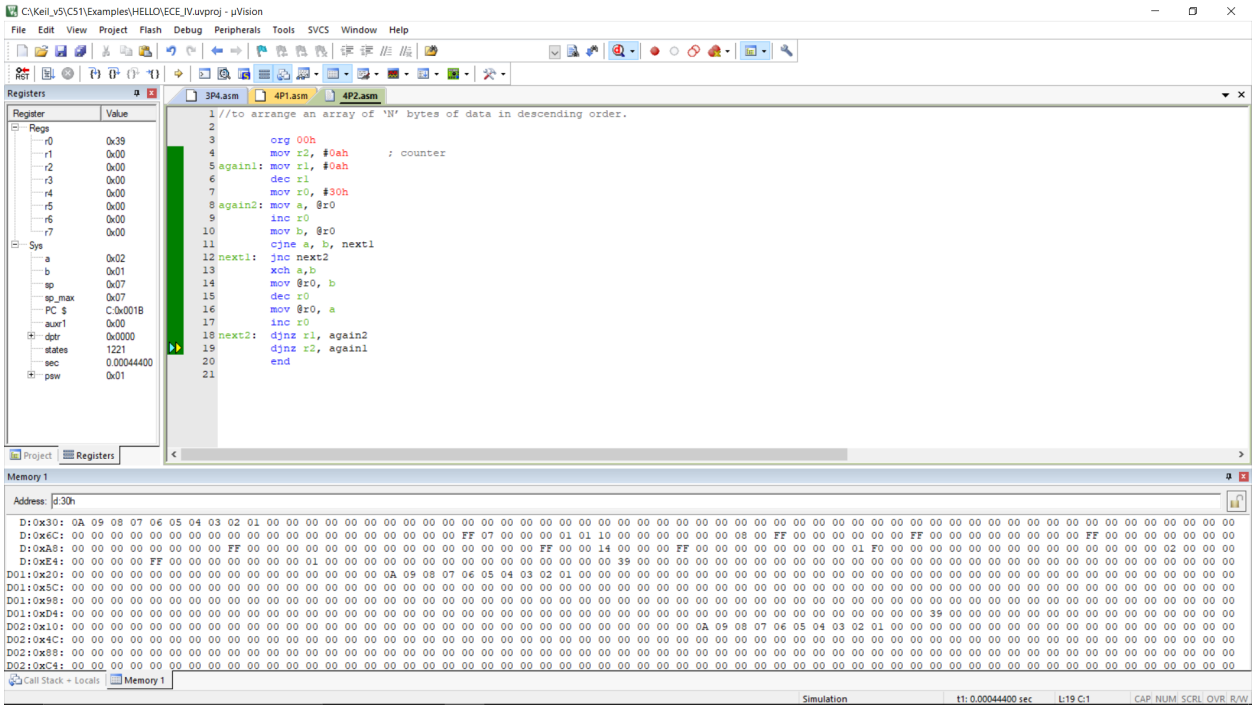


Write an 8051 assembly level program to arrange an array of ‘N’ bytes of data in descending order.

Before execution:

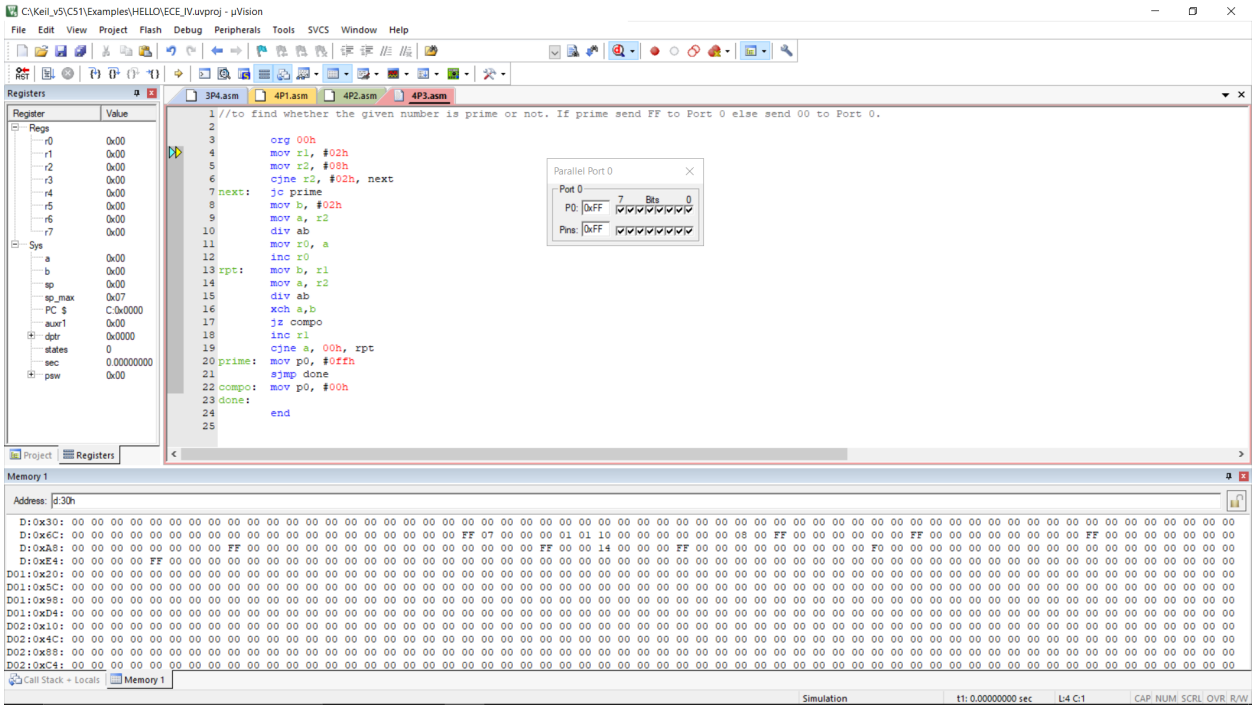


After execution:

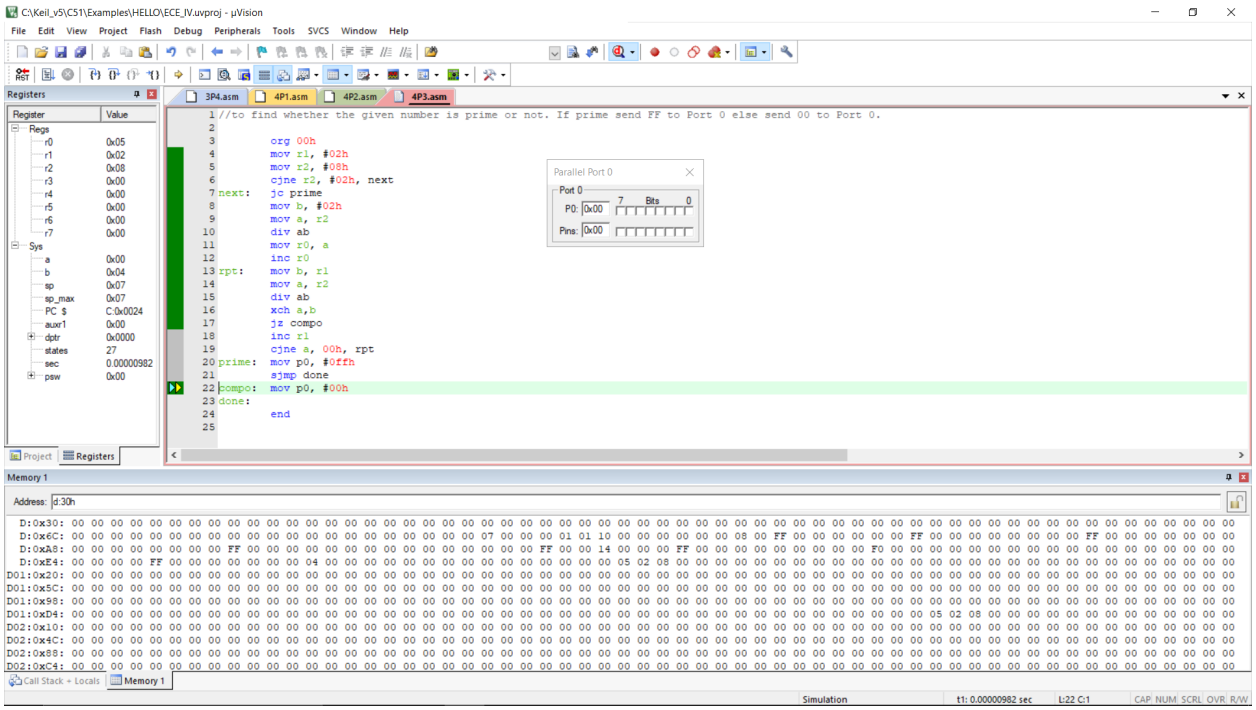


Write an 8051 assembly level program to find whether the given number is prime or not. If prime send FF to Port 0 else send 00 to Port 0.

Before execution:

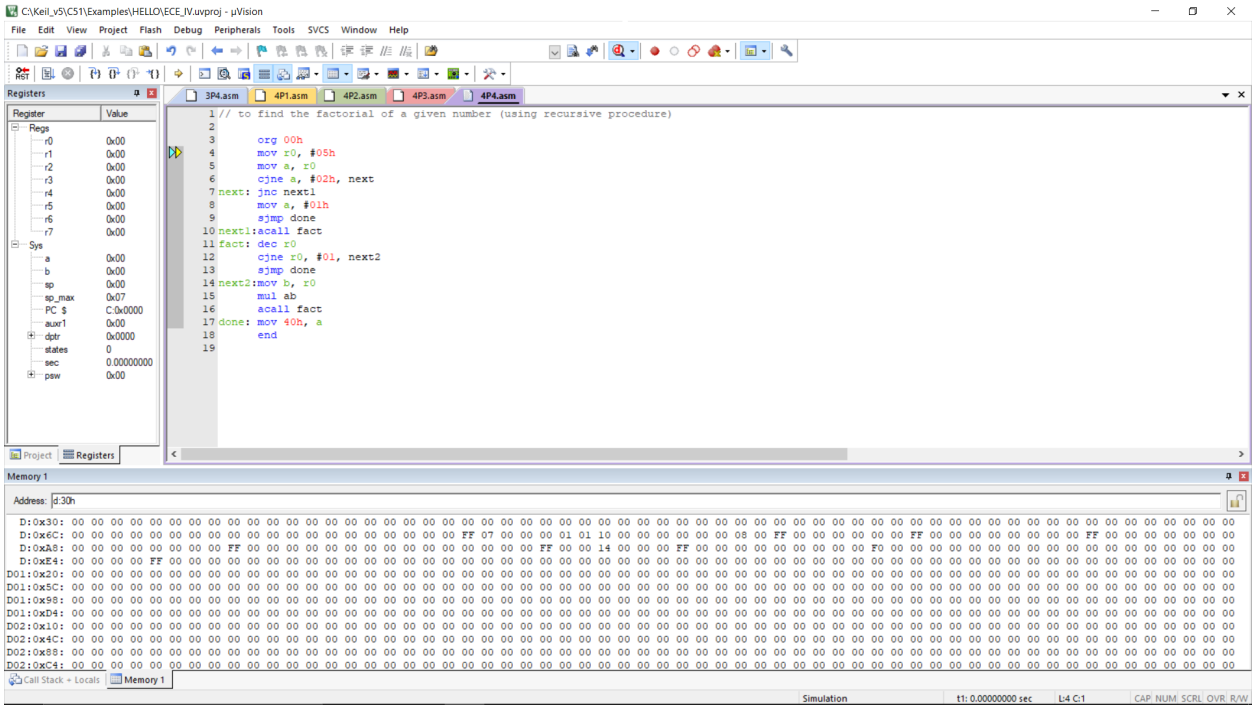


After execution:

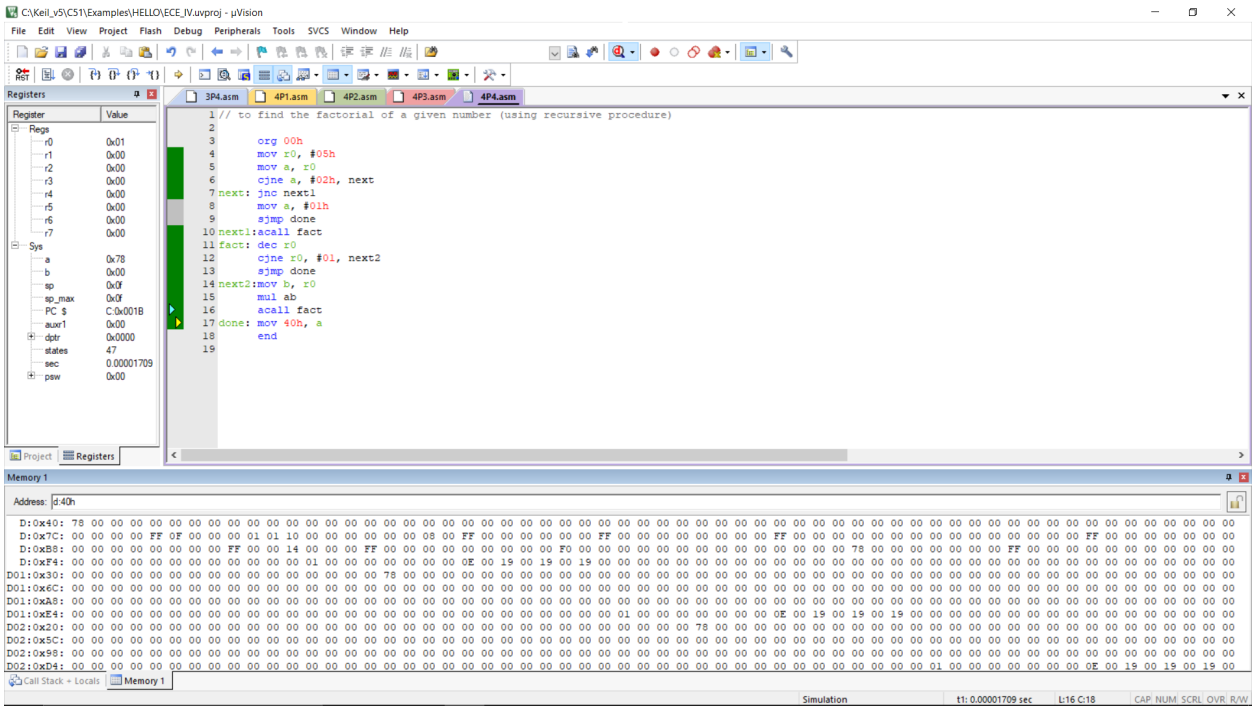


Write an 8051 assembly level program to find the factorial of a given number (using recursive procedure)

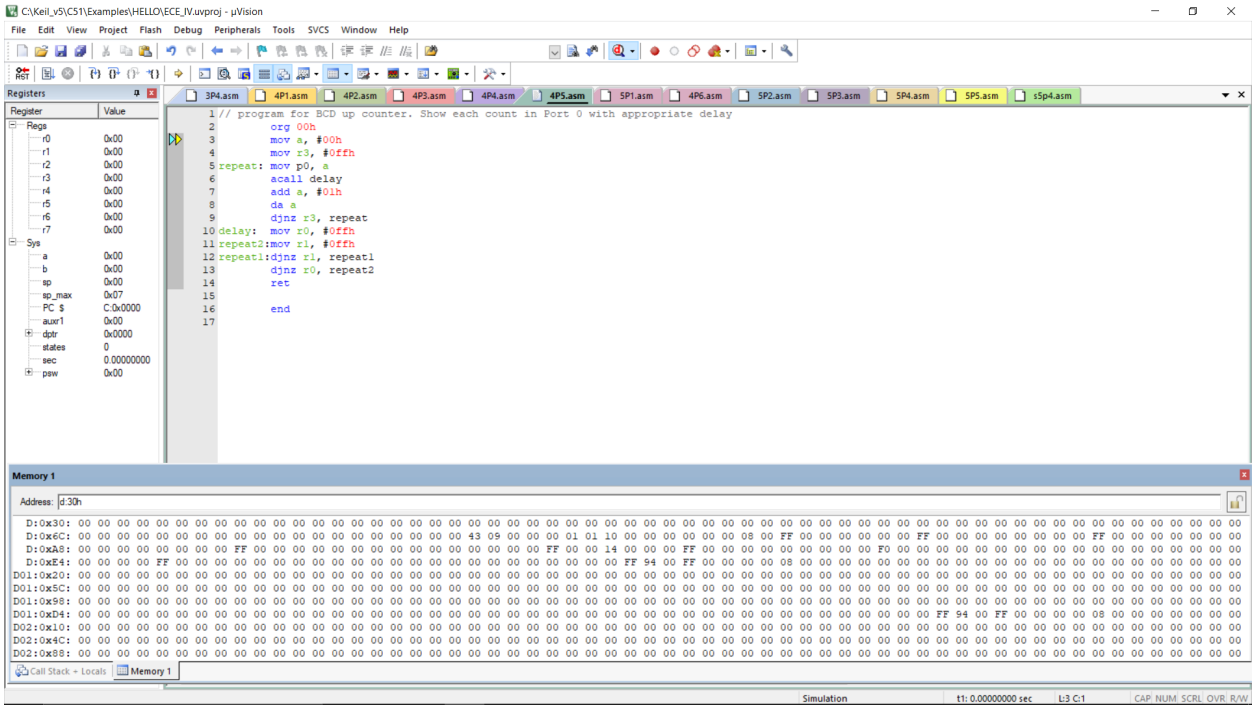
Before execution:



After execution:



Write an 8051 assembly level program for BCD up counter. Show each count in Port 0 with appropriate delay.



Write an 8051 assembly level program for BCD down counter. Show each count in Port 0 with appropriate delay.