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**Department of Computer Science**

**HITEC University, Taxila**

**BS Computer Science Program**

**(Batch 2022)**

**CS-206 Computer Organization & Assembly language 4(3+1)**

**Lab Folder**

**SPRING 2024**

**Instructor: Fatima Rauf**

**Submitted By:**

**Abdul Ahad (22-CS-071)**

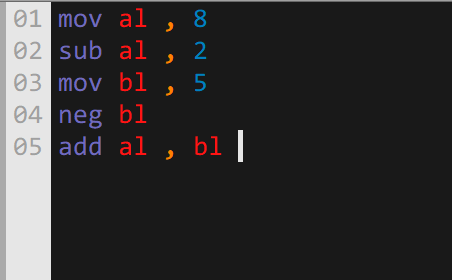
**Lab Report # 2**

**Task 1:** Perform the following arithmetic expression:

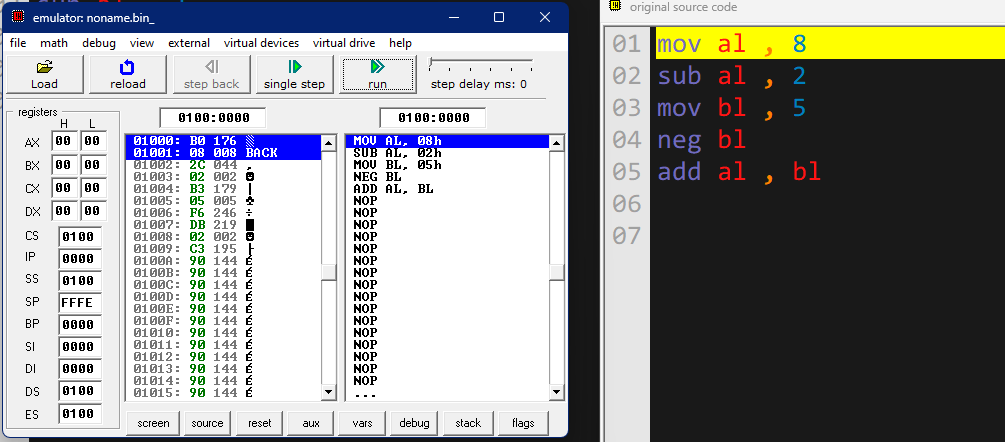
Result = -5 + (8 - 2)

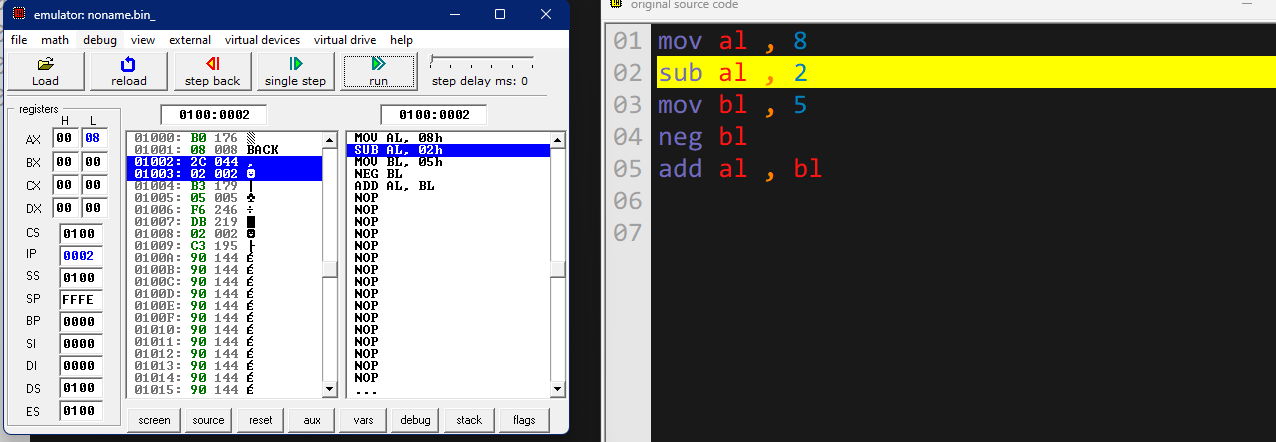
**Hint: Use neg, sub and add commands.**

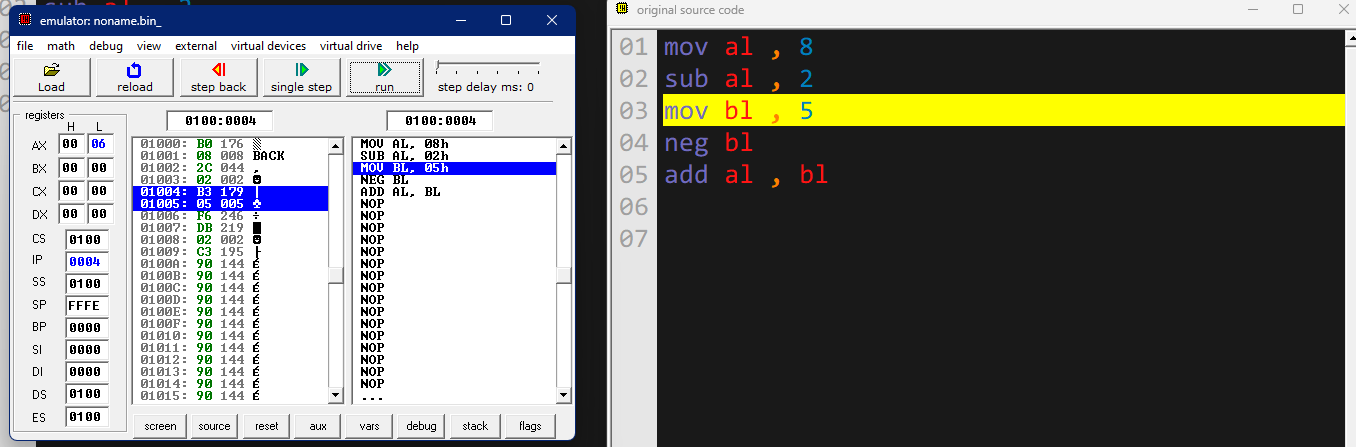
**Code:**

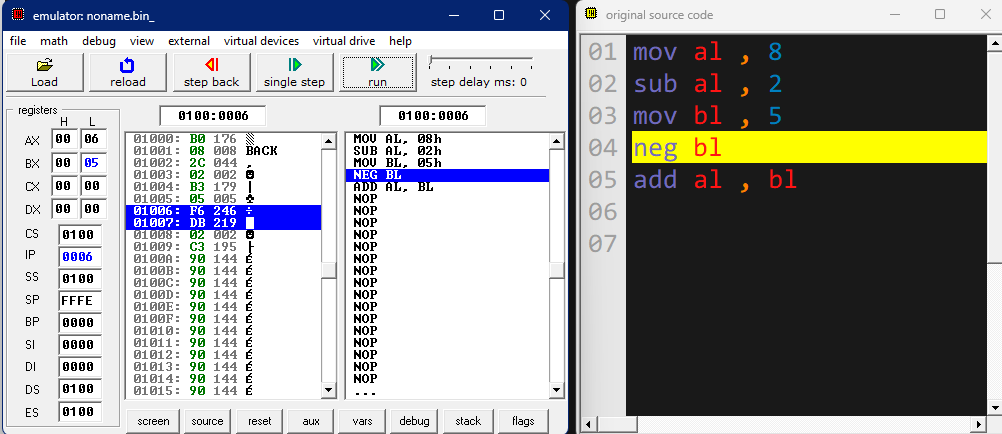
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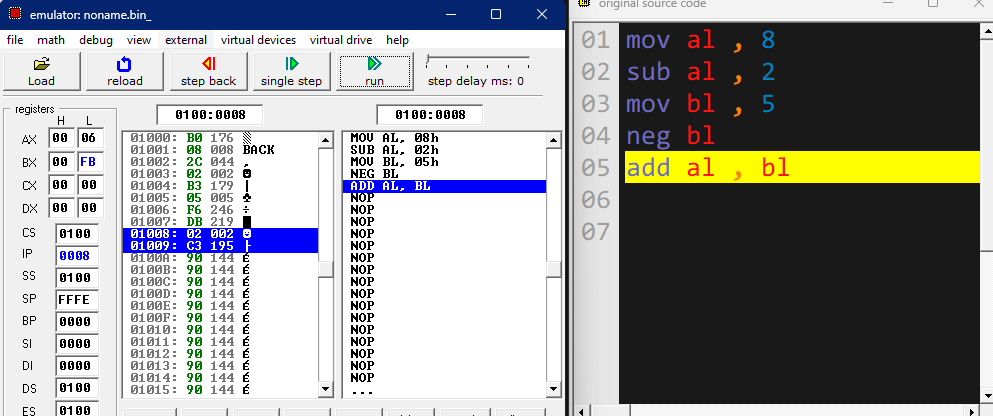
**Output:**

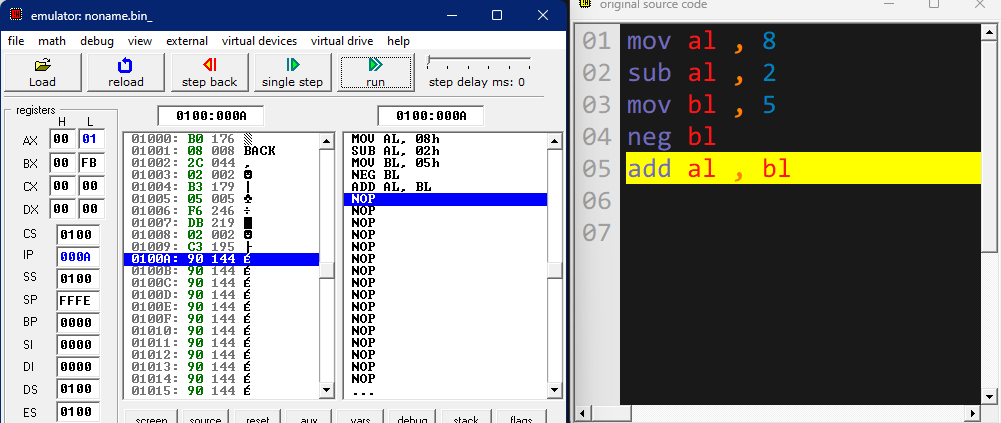
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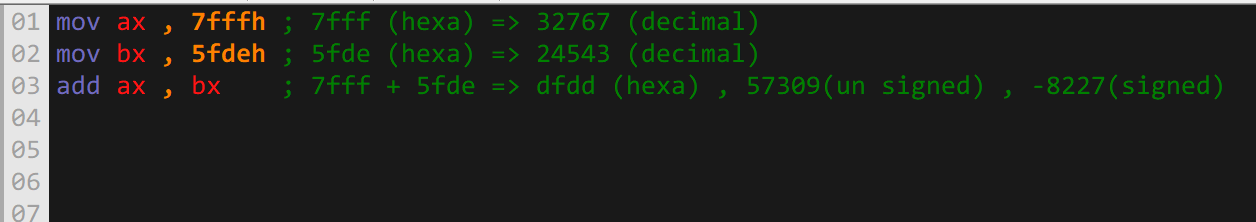
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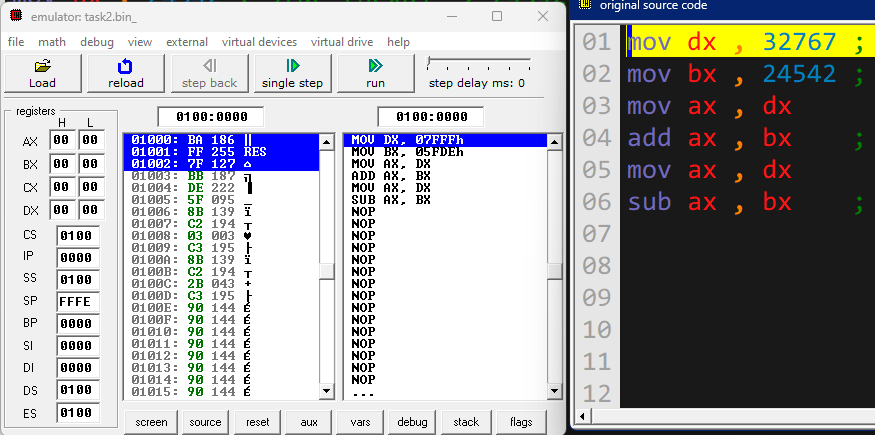
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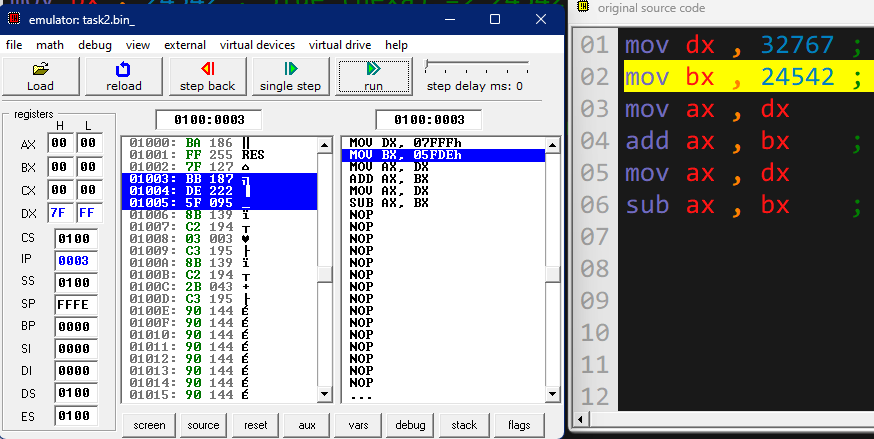
**Task 2:** Take two numbers of 16 bits and add them also subtract them.

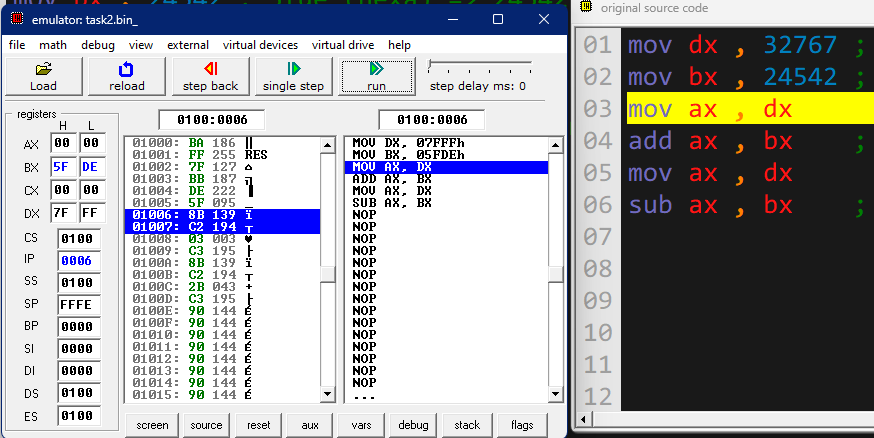
**Code:**

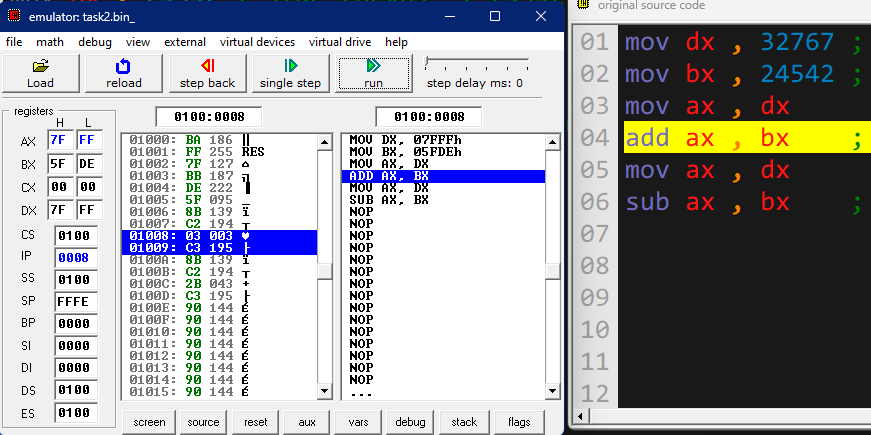
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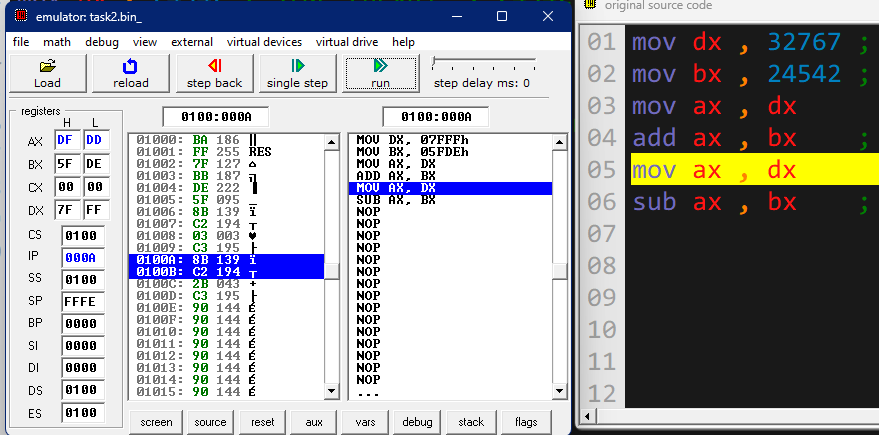
**Output:**

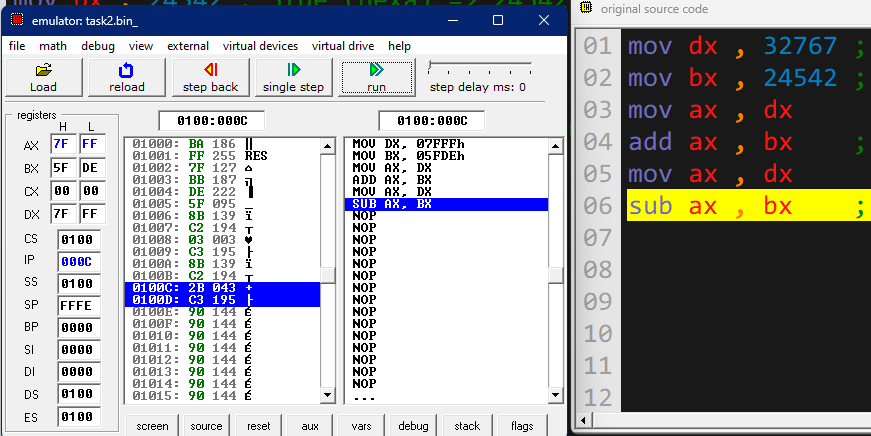
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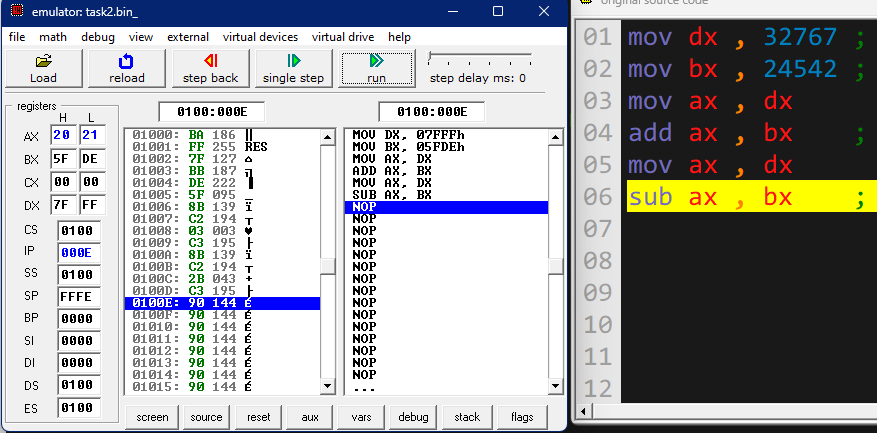
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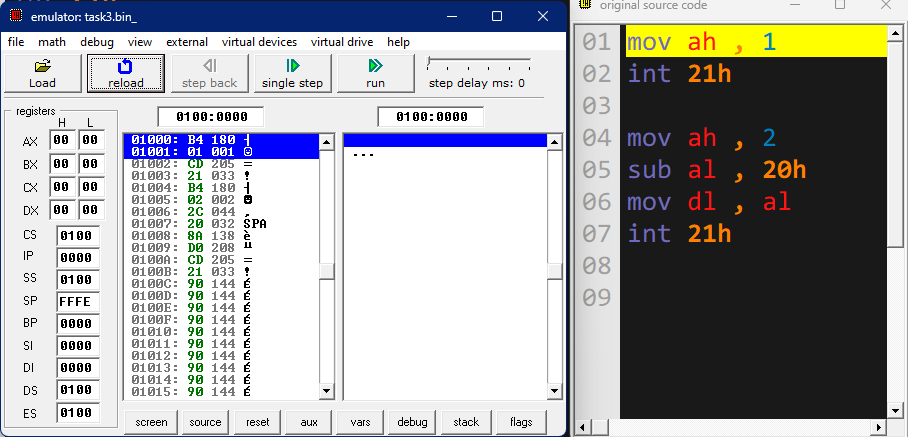
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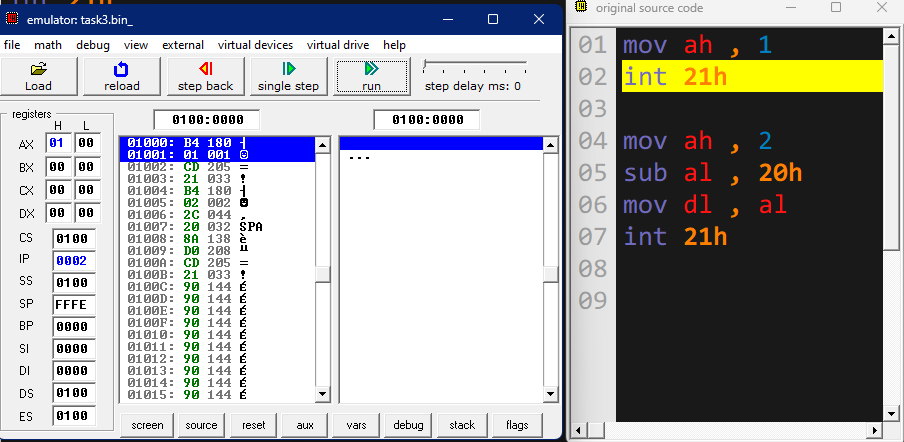
**Task 3:** To input a character at run time, convert its case (from lower to upper) and display it.

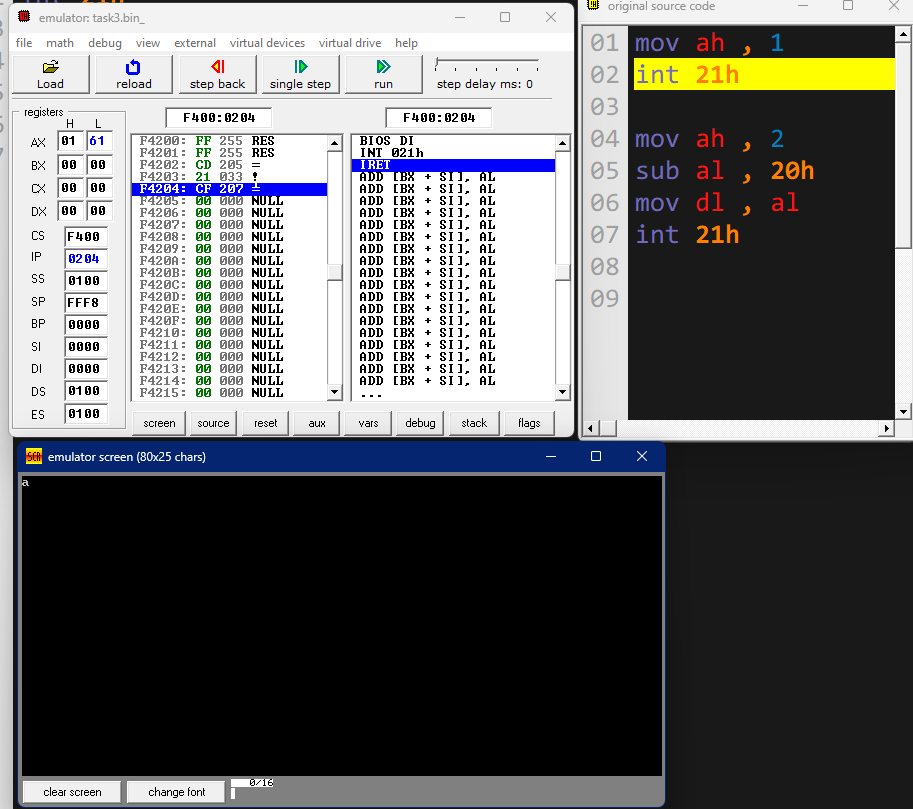
**Code:**

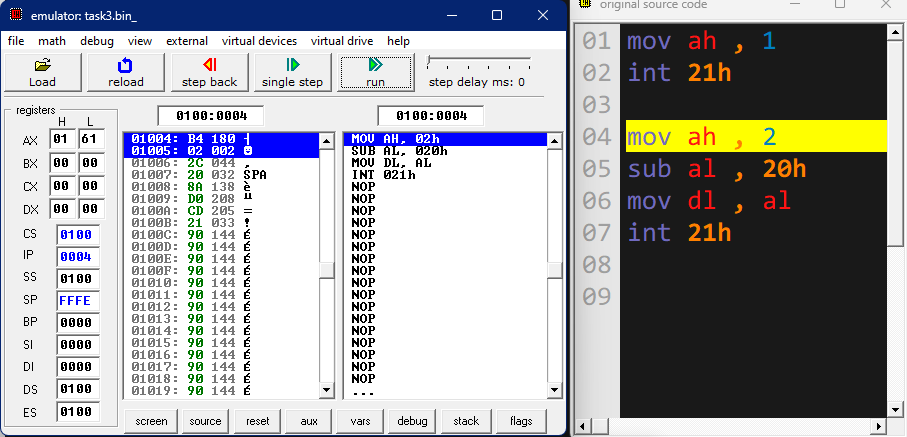
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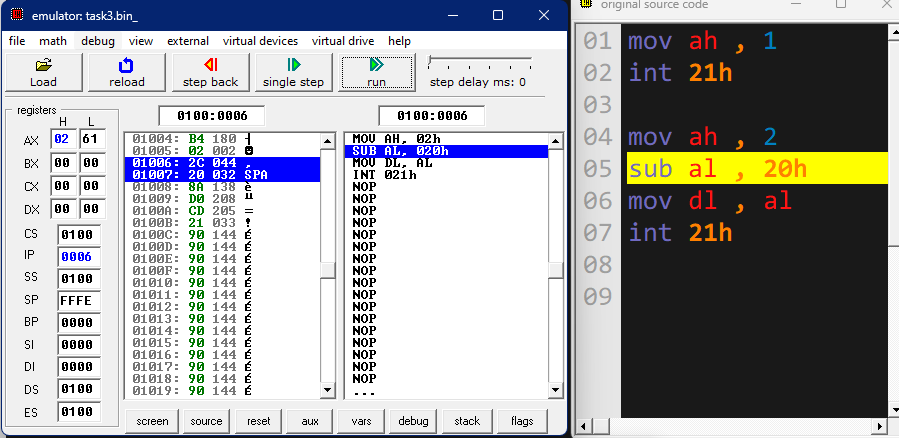
**Output:**

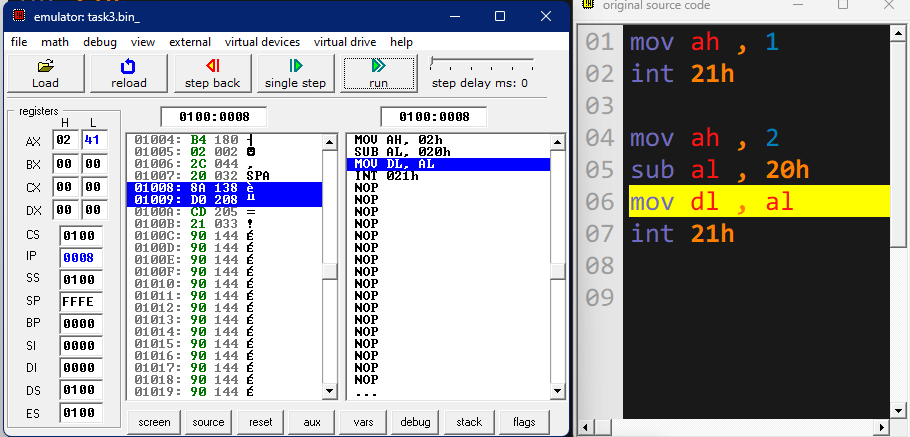
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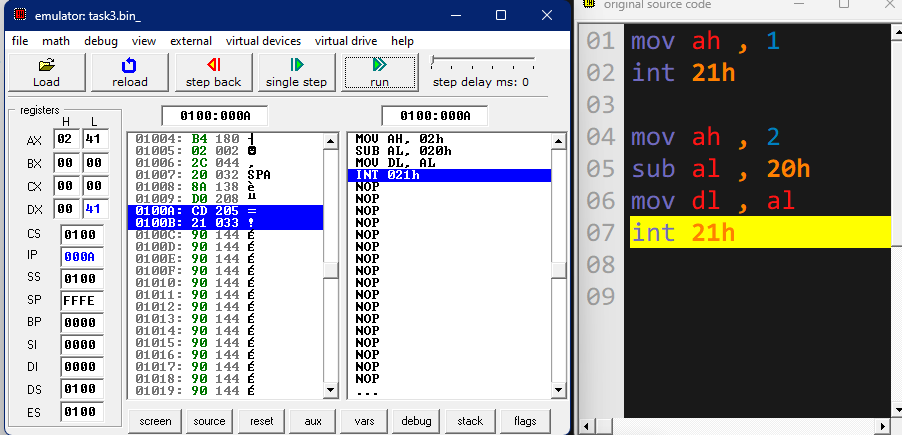
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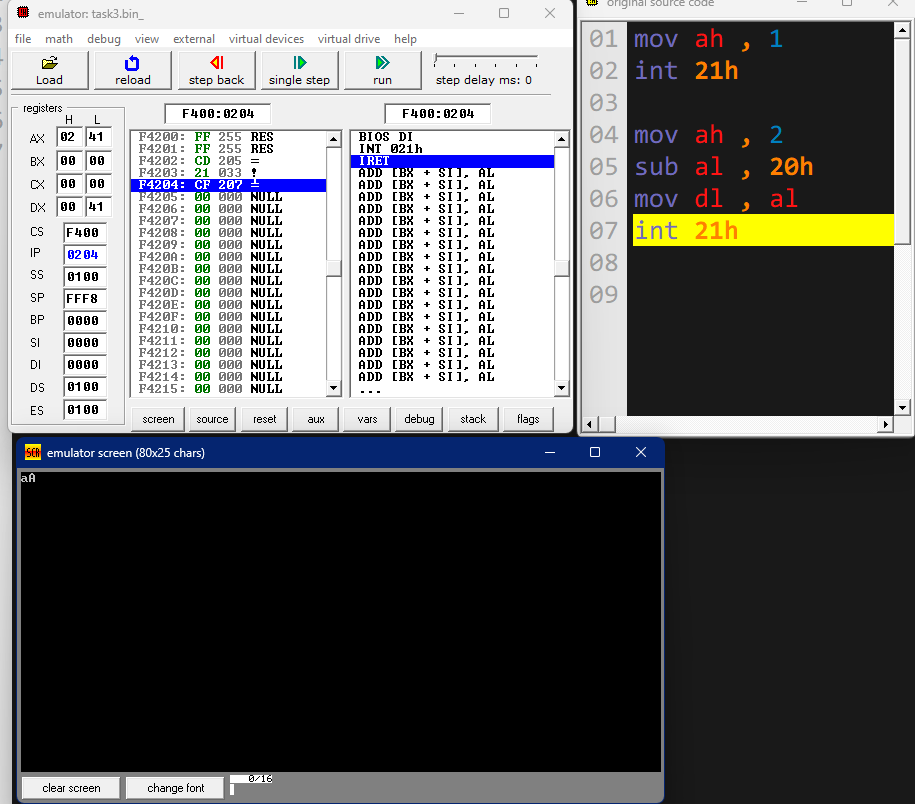
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