

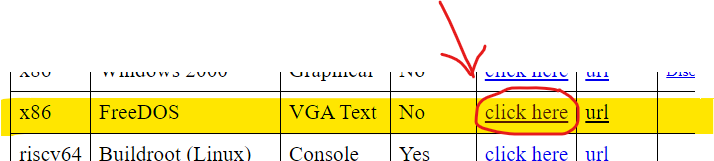
No E-Mail submissions will be accepted.  
Submission formats and file naming:

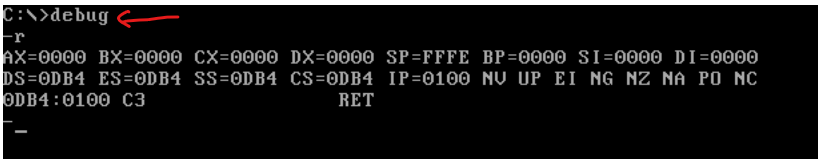
File name : Pts\_firstName\_lastName\_Assembly

File format: pdf or MS Word format

e.g. Pts\_Donald\_Trump\_Assembly.pdf

[**https://bellard.org/jslinux/**](https://bellard.org/jslinux/)

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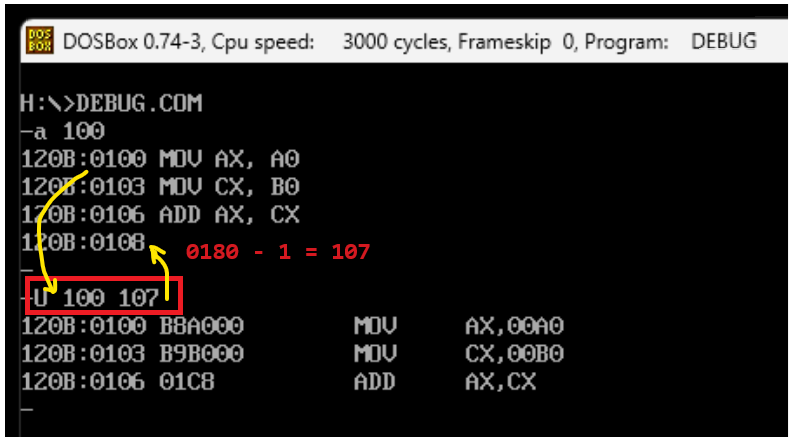
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**1)** Write an assembly code to calculate AX XOR BX. You are only allowed to use:

1. MOV (to load a value into a register e.g. AX)
2. NOT, OR, AND
3. AX, BX, DX, CX registers

Include a screenshot of the debug environment displaying your assembly code.

e.g.

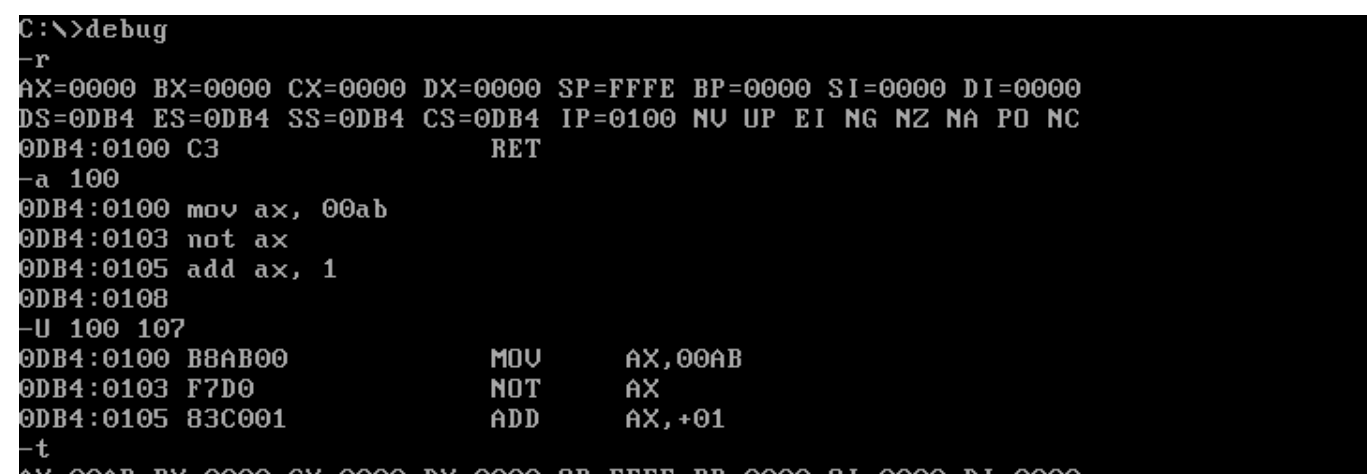


vA screenshot of a computer

AI-generated content may be incorrect.

**2)** Write an assembly code obtain two complements of AX = 00AB (use MOV to load this value). Include a screenshot of the debug environment displaying your assembly code. You are only allowed to use:

1. MOV (to load a value into a register e.g. AX)
2. NOT, ADD
3. AX register



**3)** Write an assembly code to calculate the sum of AX and CX. Save the result in AX and store the AX value in memory location 300. Assume AX=00AB and CX=01F0 (use MOV to load these values). Include a screenshot of the debug environment displaying your assembly code. You are only allowed to use:

1. MOV (to load a value into a register e.g. AX)
2. ADD
3. AX and CX registers

A computer screen with white text

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