

Write a MASM x86 (32-bit) program using **signed DWORD** integers to evaluate the following arithmetic expression, which includes both **positive and negative values**:

$$Result = \frac{(A - B) \times (-C)}{D} + (-E)$$

where **A, B, C, D, and E** are signed **DWORD (32-bit)** values.

Prompt user for input, compute the result, and display it using the **Irvine32 library**.

Use `call WriteString;`

`call ReadInt`

You can use prompts

`promptA BYTE "Enter A: ", 0`

Sample Output

Enter A: 10

Enter B: 20

Enter C: -5

Enter D: 2

Enter E: -3

Computed Result: -22

Grading Rubric:

Proper handling of signed subtraction - 2

Correct use of `IMUL` for signed multiplication (including negative values) - 2

Proper use of `CDQ` before `IDIV` for signed division - 2

Correct application of negative numbers in addition/subtraction - 2

Read write using Irvine lib. - 2