

Write a program that evaluates the following arithmetic expression:

$$(A + B) / ((D * A) - C)$$

Assume that A, B, C, and D are 80-bit Floating-Point variables and that A=3.2, B=1.12, C=22.7, and D=13.17 **(use only your .data and .code directives).**

Answer:

.386

.model flat, stdcall

.stack 4096

ExitProcess PROTO, dwExitCode: DWORD

.data

A REAL10 3.2

B REAL10 1.12

C1 REAL10 22.7

D REAL10 13.17

ANSWER REAL10 0.0

.code

main proc

finit

fld A

fld B

fadd

fld D

fld A

fmul

fld C1

fsub

fdiv

invoke ExitProcess, 0

main ENDP

END main