Лістинг Sulyma-10.asm

.386

.model flat, stdcall

option casemap :none

include \masm32\include\user32.inc

include \masm32\include\kernel32.inc

include \masm32\include\masm32.inc

includelib \masm32\lib\masm32.lib

includelib \masm32\lib\kernel32.lib

includelib \masm32\lib\user32.lib

extrn third\_proced@0:near ; оголошуэмо зов функцію

public a\_, b\_

.data

a\_ dd 3.5, -10.8, 5.6, 13.1, 2.1

b\_ dd 0.2, 2.3, 1.59, 3.6, 5.32

c\_ dd -0.6, -112.3, -15.2, 11.2, 3.1

d\_ dd 1.7, 3.5, 0.48, -0.21, 0.17

e\_two dd 82

two dd -2

z1 dd ?

z2 dd ?

temp dd ?

result dq ?

buffer db 15 dup (?)

titl db "Sulyma-10",0

.code

main:

mov ebx, 0

begin:

mov eax, c\_[ebx]

mov ecx, two

call first\_proced

mov temp, eax

push d\_[ebx]

push e\_two

call second\_proced

fld temp

fxch st(1)

fsub

fstp result

call third\_proced@0 ; виклик зовн функції

fld result

fxch st(1)

fdiv

fstp result

invoke FloatToStr, result, addr buffer

invoke MessageBoxA, 0, addr buffer, addr titl, 0

add ebx, 4 ; наступні елементи

cmp ebx, 20

jne begin

invoke ExitProcess,0

first\_proced proc

local c1, two1

mov c1, eax

mov two1, ecx

fld c1

fild two1

fmul

fstp c1

mov eax, c1

ret

first\_proced endp

second\_proced proc

push ebp

mov ebp, esp

mov eax, [ebp+8]

mov z1,eax

mov ecx,[ebp+12]

mov z2, ecx

pop ebp

fild z1

fld z2

fmul

ret 8

second\_proced endp

end main

Лістинг Sulyma-10Func.asm

.386

.model flat, stdcall

public third\_proced

extrn a\_:dword, b\_:dword ;зовнішні змінні (масиви)

.data

four dd 4

.code

third\_proced proc

fld a\_[ebx]

fild four

fdiv

fld b\_[ebx]

fsub

fptan

fxch st(1)

ret

third\_proced endp

end