



МІНІСТЕРСТВО ОСВІТИ І НАУКИ, МОЛОДІ ТА СПОРТУ УКРАЇНИ
НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ
«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ ІМЕНІ ІГОРЯ СІКОРСЬКОГО»
ФІЗИКО-ТЕХНІЧНИЙ ІНСТИТУТ
Кафедра Інформаційної Безпеки

Практикум з Архітектури комп'ютерних систем

Лабораторна робота №1

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групи ФБ-01

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Зробимо C++ програму з наступним:

1. Базові арифметичні дії (множення, ділення) з хардкодженими значеннями та тими, що потрібно ввести самому;
2. If-стейтмент для чисел та If-стейтмент для рядків;
3. Switch на декілька пунктів;

```
1  #include <iostream>
2  #include <string>
3  using namespace std;
4  int main()
5  {
6      int a = 10, b = 5, x, y, day;
7      cout << "(a = 10, b = 5) => a * b = " << a * b;
8      cout << "\n(a = 10, b = 5) => a / b = " << a / b;
9      cout << "\n\nInput integer value:" << "\nx = ";
10     cin >> x;
11     cout << "Input integer value:" << "\ny = ";
12     cin >> y;
13     cout << "So, we have:\nx - y = " << x - y;
14     cout << "\nx + y = " << x + y;
15
16     if (x > y)
17     {
18         x = y;
19         cout << "\n\n(x > y) => x = y = " << x;
20     }
21     else
22     {
23         y = x;
24         cout << "\n\n(x <= y) => y = x = " << y;
25     }
26
27     string fact, country = "Ukraine", ukr_region = "Prykarpattia";
28     if (ukr_region != country)
29     {
30         fact = "\n\n" + ukr_region + " is located in " + country;
31         cout << fact;
32     }
33
34     cout << "\n\nInput the day of week?" << "\nday = ";
35     cin >> day;
36     switch (day)
37     {
38     case 1:
39         cout << "Monday, ";
40     case 2:
41         cout << "Tuesday, ";
42     case 3:
43         cout << "Wednesday, ";
44     case 4:
45         cout << "Thursday, ";
46     case 5:
47         cout << "Friday - Working Day(s)\n";
48         break;
49     case 6:
50         cout << "Saturday, ";
51     case 7:
52         cout << "Sunday - Day(s) OFF\n";
53         break;
54     }
55
56     return 0;
57 }
58
```

1.1 Множення і ділення із хардкодженими значеннями

1.2 Додавання і віднімання із значеннями, які вводимо самі

2.1 If-стейтмент для чисел

2.2 If-стейтмент для рядків

3. Switch на декілька пунктів

Скомпільюємо та дизасемблюємо цю програмку та покажемо на скріншотах наступне:

1. Код асемблерного виду та стан регістрів для кожного пункту програми

Дизасемблированный код

```
int main (int argc, char **argv, char **envp);
; var int32_t var_204h @ rbp-0x204
; var int32_t var_200h @ rbp-0x200
; var int32_t var_1fch @ rbp-0x1fc
; var int32_t var_1f8h @ rbp-0x1f8
; var uint32_t var_1f4h @ rbp-0x1f4
; var int32_t var_1ech @ rbp-0x1ec
; var int32_t var_1e0h @ rbp-0x1e0
; var int32_t var_1bch @ rbp-0x1bc
; var int32_t var_198h @ rbp-0x198
; var int32_t var_144h @ rbp-0x144
; var int32_t var_b4h @ rbp-0xb4
; var int32_t var_90h @ rbp-0x90
; var int32_t var_6ch @ rbp-0x6c
; var int32_t var_48h @ rbp-0x48
; var signed int var_3ch @ rbp-0x3c
; var signed int var_30h @ rbp-0x30
; var signed int var_24h @ rbp-0x24
; var int32_t var_18h @ rbp-0x18
; var int32_t var_10h @ rbp-0x10
; var int32_t var_ch @ rbp-0xc
; var int32_t var_4h @ rbp-0x4
0x00af75e0 push ebp
0x00af75e1 mov ebp, esp
0x00af75e3 push 0xffffffffffffffff
0x00af75e5 push 0xafd109
0x00af75ea mov eax, dword fs:[0]
0x00af75f0 push eax
0x00af75f1 sub esp, 0x1f8
0x00af75f7 push ebx
0x00af75f8 push esi
0x00af75f9 push edi
0x00af75fa lea edi, [ebp - 0x144]
0x00af7600 mov ecx, 0x4e ; 'N' ; 78
0x00af7605 mov eax, 0xffffffff
0x00af760a rep stosd dword es:[edi], eax
0x00af760c mov eax, dword [0xb2008]
0x00af7611 xor eax, ebp
0x00af7613 mov dword [ebp - 0x10], eax
```

Stack

Смещение	Значение	Ссылка	Commer
0x00effe2c	0x00af8423		
0x00effe30	0x00000001		
0x00effe34	0x010155e0		
0x00effe38	0x01016190		
0x00effe3c	0x00000001		
0x00effe40	0x010155e0		
0x00effe44	0x01016190		
0x00effe48	0x00effea4		

Stack Backtrace Threads

Registers

mxcsr	0x1f80	edi	0xaf102d
eflags	0x204	r8d	0x2b
eax	0x10155e0	r9d	0x770d2f7c
ecx	0x1	r10d	0x0
edx	0x1016190	r11d	0xade1f0
ebx	0xd67000	r12d	0xd68000
esp	0xeffe2c	r13d	0xadfda0
ebp	0xeffe48	r14d	0xadeae0
esi	0xaf102d	r15d	0x7053620

Арифметичні дії:

1) Множення

0x00af7616 push eax
0x00af7617 lea eax, [ebp - 0xc]
0x00af761a mov dword fs:[0], eax
0x00af7620 mov ecx, 0xb0502a
0x00af7625 call fcn.004115dc
0x00af762a mov dword [ebp - 0x18], 0xa
0x00af7631 mov dword [ebp - 0x24], 5
0x00af7638 mov eax, dword [ebp - 0x18]
0x00af763b imul eax, dword [ebp - 0x24]
0x00af763f mov esi, esp
0x00af7641 push eax
0x00af7642 str.a__10_b__5____a__b ; 0xafdd0
0x00af7647 mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af764d push ecx
0x00af764e call fcn.00411311
0x00af7653 add esp, 8
0x00af7656 mov ecx, eax
0x00af7658 call dword public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostre
0x00af765e cmp esi, esp
0x00af7660 call fcn.00411447

Stack Backtrace Threads

Registers

mxcsr	0x1f80	edi	0xeffe1c
eflags	0x244	r8d	0x2b
eax	0xb0502a	r9d	0x770d2f7c
ecx	0xb0502a	r10d	0x0
edx	0x1	r11d	0xade1f0
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xaf102d	r15d	0x7053620

0x00af7616 push eax
0x00af7617 lea eax, [ebp - 0xc]
0x00af761a mov dword fs:[0], eax
0x00af7620 mov ecx, 0xb0502a
0x00af7625 call fcn.004115dc
0x00af762a mov dword [ebp - 0x18], 0xa
0x00af7631 mov dword [ebp - 0x24], 5
0x00af7638 mov eax, dword [ebp - 0x18]
0x00af763b imul eax, dword [ebp - 0x24]
0x00af763f mov esi, esp
0x00af7641 push eax
0x00af7642 str.a__10_b__5____a__b ; 0xafdd0
0x00af7647 mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af764d push ecx
0x00af764e call fcn.00411311
0x00af7653 add esp, 8
0x00af7656 mov ecx, eax
0x00af7658 call dword public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostre
0x00af765e cmp esi, esp
0x00af7660 call fcn.00411447

Stack Backtrace Threads

Registers

mxcsr	0x1f80	edi	0xeffe1c
eflags	0x244	r8d	0x2b
eax	0xa	r9d	0x770d2f7c
ecx	0xb0502a	r10d	0x0
edx	0x1	r11d	0xade1f0
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xaf102d	r15d	0x7053620

0x00af7616 push eax
0x00af7617 lea eax, [ebp - 0xc]
0x00af761a mov dword fs:[0], eax
0x00af7620 mov ecx, 0xb0502a
0x00af7625 call fcn.004115dc
0x00af762a mov dword [ebp - 0x18], 0xa
0x00af7631 mov dword [ebp - 0x24], 5
0x00af7638 mov eax, dword [ebp - 0x18]
0x00af763b imul eax, dword [ebp - 0x24]
0x00af763f mov esi, esp
0x00af7641 push eax
0x00af7642 str.a__10_b__5____a__b ; 0xafdd0
0x00af7647 mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af764d push ecx
0x00af764e call fcn.00411311
0x00af7653 add esp, 8
0x00af7656 mov ecx, eax
0x00af7658 call dword public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostre
0x00af765e cmp esi, esp
0x00af7660 call fcn.00411447

Stack Backtrace Threads

Registers

mxcsr	0x1f80	edi	0xeffe1c
eflags	0x200	r8d	0x2b
eax	0x32	r9d	0x770d2f7c
ecx	0xb0502a	r10d	0x0
edx	0x1	r11d	0xade1f0
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xaf102d	r15d	0x7053620

2) Ділення

0x00af7665	mov	eax, dword [ebp - 0x18]	Registers		
0x00af7668	cdq		mxcsr	0x1f80	edi 0xeffe1c
0x00af7669	idiv	dword [ebp - 0x24]	eflags	0x244	r8d 0x2b
0x00af766c	mov	esi, esp			
0x00af766e	push	eax	eax	0x633e9988	r9d 0x770d2dac
0x00af766f	push	str.a__10__b__5____a__b ; 0xaffdf4	ecx	0xfb57e958	r10d 0x0
0x00af7674	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0	edx	0x63105a78	r11d 0x246
0x00af7679	push	eax	ebx	0xd67000	r12d 0xd68000
0x00af767a	call	fcn.00411311	esp	0xeffc14	r13d 0xadfda0
0x00af767f	add	esp, 8	ebp	0xeffe28	r14d 0xadeae0
0x00af7682	mov	ecx, eax	esi	0xeffc14	r15d 0x77053620
0x00af7684	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::cout] ; 0xb030e0			
0x00af768a	cmp	esi, esp			
0x00af768c	call	fcn.00411447			
0x00af7691	push	str.x ; 0xaffe18			
0x00af7696	push	0xaffe20			
0x00af769b	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af76a0	push	eax			
0x00af76a1	call	fcn.00411311			

0x00af7665	mov	eax, dword [ebp - 0x18]	Registers		
0x00af7668	cdq		mxcsr	0x1f80	edi 0xeffe1c
0x00af7669	idiv	dword [ebp - 0x24]	eflags	0x244	r8d 0x2b
0x00af766c	mov	esi, esp			
0x00af766e	push	eax	eax	0xa	r9d 0x770d2dac
0x00af766f	push	str.a__10__b__5____a__b ; 0xaffdf4	ecx	0xfb57e958	r10d 0x0
0x00af7674	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0	edx	0x0	r11d 0x246
0x00af7679	push	eax	ebx	0xd67000	r12d 0xd68000
0x00af767a	call	fcn.00411311	esp	0xeffc14	r13d 0xadfda0
0x00af767f	add	esp, 8	ebp	0xeffe28	r14d 0xadeae0
0x00af7682	mov	ecx, eax	esi	0xeffc14	r15d 0x77053620
0x00af7684	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::cout] ; 0xb030e0			
0x00af768a	cmp	esi, esp			
0x00af768c	call	fcn.00411447			
0x00af7691	push	str.x ; 0xaffe18			
0x00af7696	push	0xaffe20			
0x00af769b	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af76a0	push	eax			
0x00af76a1	call	fcn.00411311			

0x00af7665	mov	eax, dword [ebp - 0x18]	Registers		
0x00af7668	cdq		mxcsr	0x1f80	edi 0xeffe1c
0x00af7669	idiv	dword [ebp - 0x24]	eflags	0x244	r8d 0x2b
0x00af766c	mov	esi, esp			
0x00af766e	push	eax	eax	0x2	r9d 0x770d2dac
0x00af766f	push	str.a__10__b__5____a__b ; 0xaffdf4	ecx	0xfb57e958	r10d 0x0
0x00af7674	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0	edx	0x0	r11d 0x246
0x00af7679	push	eax	ebx	0xd67000	r12d 0xd68000
0x00af767a	call	fcn.00411311	esp	0xeffc14	r13d 0xadfda0
0x00af767f	add	esp, 8	ebp	0xeffe28	r14d 0xadeae0
0x00af7682	mov	ecx, eax	esi	0xeffc14	r15d 0x77053620
0x00af7684	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::cout] ; 0xb030e0			
0x00af768a	cmp	esi, esp			
0x00af768c	call	fcn.00411447			
0x00af7691	push	str.x ; 0xaffe18			
0x00af7696	push	0xaffe20			
0x00af769b	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af76a0	push	eax			
0x00af76a1	call	fcn.00411311			

3) Віднімання

0x00af76a6	add	esp, 8	Stack		
0x00af76a9	push	eax	Backtrace		
0x00af76aa	call	fcn.00411311	Threads		
0x00af76af	add	esp, 8	Registers		
0x00af76b2	mov	esi, esp	mxcsr	0x1f80	edi 0xeffe1c
0x00af76b4	lea	eax, [ebp - 0x30]	eflags	0x244	r8d 0x2b
0x00af76b7	push	eax			
0x00af76b8	mov	ecx, dword [class std::basic_istream<char, struct std::char_traits<char>> std::cin] ; 0xb03098	eax	0x633e9870	r9d 0x770d2d8c
0x00af76be	call	dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istream<char, struct std::char_traits<char>>::cin] ; 0xb03098	ecx	0x3	r10d 0x0
0x00af76c4	cmp	esi, esp	edx	0x63105a40	r11d 0x246
0x00af76c6	call	fcn.00411447	ebx	0xd67000	r12d 0xd68000
0x00af76cb	push	str.y ; 0xaffe3c	esp	0xeffc14	r13d 0xadfda0
0x00af76d0	push	str.Input_integer_value ; 0xaffe44	ebp	0xeffe28	r14d 0xadeae0
0x00af76d5	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0	esi	0xeffc14	r15d 0x77053620
0x00af76da	push	eax			
0x00af76db	call	fcn.00411311			
0x00af76e0	add	esp, 8			
0x00af76e3	push	eax			
0x00af76e4	call	fcn.00411311			
0x00af76e9	add	esp, 8			
0x00af76ec	mov	esi, esp			
0x00af76ee	lea	eax, [ebp - 0x3c]			
0x00af76f1	push	eax			
0x00af76f2	mov	ecx, dword [class std::basic_istream<char, struct std::char_traits<char>> std::cin] ; 0xb03098			
0x00af76f8	call	dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istream<char, struct std::char_traits<char>>::cin] ; 0xb03098			
0x00af76fe	cmp	esi, esp			
0x00af7700	call	fcn.00411447			
0x00af7705	mov	eax, dword [ebp - 0x30]			
0x00af7708	sub	eax, dword [ebp - 0x3c]			
0x00af770b	mov	esi, esp			
0x00af770d	push	eax			
0x00af770e	push	str.So_we_have:__x__y ; 0xaffe5c			
0x00af7713	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af7719	push	ecx			
0x00af771a	call	fcn.00411311			

0x00af76a6 add esp, 8
0x00af76a9 push eax
0x00af76aa call fcn.00411311
0x00af76af add esp, 8
0x00af76b2 mov esi, esp
0x00af76b4 lea eax, [ebp - 0x30]
0x00af76b7 push eax
0x00af76b8 mov ecx, dword [class std::basic_istream<char, struct std::char_traits<char>> std::cin] ; 0xb03098
0x00af76be call dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istream<char, struct std::char_traits<char>>::get() : 0xb03098]
0x00af76c4 cmp esi, esp
0x00af76c6 call fcn.00411447
0x00af76cb push str.y ; 0xffe3c
0x00af76d0 push str.Input_integer_value: ; 0xffe44
0x00af76d5 mov eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af76da push eax
0x00af76db call fcn.00411311
0x00af76e0 add esp, 8
0x00af76e3 push eax
0x00af76e4 call fcn.00411311
0x00af76e9 add esp, 8
0x00af76ec mov esi, esp
0x00af76ee lea eax, [ebp - 0x3c]
0x00af76f1 push eax
0x00af76f2 mov ecx, dword [class std::basic_istream<char, struct std::char_traits<char>> std::cin] ; 0xb03098
0x00af76f8 call dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istream<char, struct std::char_traits<char>>::get() : 0xb03098]
0x00af76fe cmp esi, esp
0x00af7700 call fcn.00411447
0x00af7705 mov eax, dword [ebp - 0x30]
0x00af7708 sub eax, dword [ebp - 0x3c]
0x00af770b mov esi, esp
0x00af770d push eax
0x00af770e push str.So_we_have:___y ; 0xffe5c
0x00af7713 mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af7719 push ecx
0x00af771a call fcn.00411311

Stack Backtrace Threads
Registers
mxcsr 0x1f80 edi 0xffe1c
eflags 0x244 r8d 0x2b
eax 0x9 r9d 0x770d2d8c
ecx 0x3 r10d 0x0
edx 0x63105a40 r11d 0x246
ebx 0xd67000 r12d 0xd68000
esp 0xffc14 r13d 0xadfda0
ebp 0xffe28 r14d 0xadeae0
esi 0xffc14 r15d 0x77053620

0x00af76a6 add esp, 8
0x00af76a9 push eax
0x00af76aa call fcn.00411311
0x00af76af add esp, 8
0x00af76b2 mov esi, esp
0x00af76b4 lea eax, [ebp - 0x30]
0x00af76b7 push eax
0x00af76b8 mov ecx, dword [class std::basic_istream<char, struct std::char_traits<char>> std::cin] ; 0xb03098
0x00af76be call dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istream<char, struct std::char_traits<char>>::get() : 0xb03098]
0x00af76c4 cmp esi, esp
0x00af76c6 call fcn.00411447
0x00af76cb push str.y ; 0xffe3c
0x00af76d0 push str.Input_integer_value: ; 0xffe44
0x00af76d5 mov eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af76da push eax
0x00af76db call fcn.00411311
0x00af76e0 add esp, 8
0x00af76e3 push eax
0x00af76e4 call fcn.00411311
0x00af76e9 add esp, 8
0x00af76ec mov esi, esp
0x00af76ee lea eax, [ebp - 0x3c]
0x00af76f1 push eax
0x00af76f2 mov ecx, dword [class std::basic_istream<char, struct std::char_traits<char>> std::cin] ; 0xb03098
0x00af76f8 call dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istream<char, struct std::char_traits<char>>::get() : 0xb03098]
0x00af76fe cmp esi, esp
0x00af7700 call fcn.00411447
0x00af7705 mov eax, dword [ebp - 0x30]
0x00af7708 sub eax, dword [ebp - 0x3c]
0x00af770b mov esi, esp
0x00af770d push eax
0x00af770e push str.So_we_have:___y ; 0xffe5c
0x00af7713 mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af7719 push ecx
0x00af771a call fcn.00411311

Stack Backtrace Threads
Registers
mxcsr 0x1f80 edi 0xffe1c
eflags 0x204 r8d 0x2b
eax 0x6 r9d 0x770d2d8c
ecx 0x3 r10d 0x0
edx 0x63105a40 r11d 0x246
ebx 0xd67000 r12d 0xd68000
esp 0xffc14 r13d 0xadfda0
ebp 0xffe28 r14d 0xadeae0
esi 0xffc14 r15d 0x77053620

4) Додавання

0x00af771f add esp, 8
0x00af7722 mov ecx, eax
0x00af7724 call dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::put(char) : 0xb030e0]
0x00af772a cmp esi, esp
0x00af772c call fcn.00411447
0x00af7731 mov eax, dword [ebp - 0x30]
0x00af7734 add eax, dword [ebp - 0x3c]
0x00af7737 mov esi, esp
0x00af7739 push eax
0x00af773a push str.x___y ; 0xffe78
0x00af773f mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af7745 push ecx
0x00af7746 call fcn.00411311
0x00af774b add esp, 8
0x00af774e mov ecx, eax
0x00af7750 call dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::put(char) : 0xb030e0]
0x00af7756 cmp esi, esp
0x00af7758 call fcn.00411447

Stack Backtrace Threads
Registers
mxcsr 0x1f80 edi 0xffe1c
eflags 0x244 r8d 0x2b
eax 0x633e9988 r9d 0x770d2dac
ecx 0xfb57e958 r10d 0x0
edx 0x63105a78 r11d 0x246
ebx 0xd67000 r12d 0xd68000
esp 0xffc14 r13d 0xadfda0
ebp 0xffe28 r14d 0xadeae0
esi 0xffc14 r15d 0x77053620

0x00af771f add esp, 8
0x00af7722 mov ecx, eax
0x00af7724 call dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::put(char) : 0xb030e0]
0x00af772a cmp esi, esp
0x00af772c call fcn.00411447
0x00af7731 mov eax, dword [ebp - 0x30]
0x00af7734 add eax, dword [ebp - 0x3c]
0x00af7737 mov esi, esp
0x00af7739 push eax
0x00af773a push str.x___y ; 0xffe78
0x00af773f mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af7745 push ecx
0x00af7746 call fcn.00411311
0x00af774b add esp, 8
0x00af774e mov ecx, eax
0x00af7750 call dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::put(char) : 0xb030e0]
0x00af7756 cmp esi, esp
0x00af7758 call fcn.00411447

Stack Backtrace Threads
Registers
mxcsr 0x1f80 edi 0xffe1c
eflags 0x244 r8d 0x2b
eax 0x9 r9d 0x770d2dac
ecx 0xfb57e958 r10d 0x0
edx 0x63105a78 r11d 0x246
ebx 0xd67000 r12d 0xd68000
esp 0xffc14 r13d 0xadfda0
ebp 0xffe28 r14d 0xadeae0
esi 0xffc14 r15d 0x77053620

0x00af771f add esp, 8
0x00af7722 mov ecx, eax
0x00af7724 call dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::put(char) : 0xb030e0]
0x00af772a cmp esi, esp
0x00af772c call fcn.00411447
0x00af7731 mov eax, dword [ebp - 0x30]
0x00af7734 add eax, dword [ebp - 0x3c]
0x00af7737 mov esi, esp
0x00af7739 push eax
0x00af773a push str.x___y ; 0xffe78
0x00af773f mov ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0
0x00af7745 push ecx
0x00af7746 call fcn.00411311
0x00af774b add esp, 8
0x00af774e mov ecx, eax
0x00af7750 call dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream<char, struct std::char_traits<char>>::put(char) : 0xb030e0]
0x00af7756 cmp esi, esp
0x00af7758 call fcn.00411447

Stack Backtrace Threads
Registers
mxcsr 0x1f80 edi 0xffe1c
eflags 0x204 r8d 0x2b
eax 0xc r9d 0x770d2dac
ecx 0xfb57e958 r10d 0x0
edx 0x63105a78 r11d 0x246
ebx 0xd67000 r12d 0xd68000
esp 0xffc14 r13d 0xadfda0
ebp 0xffe28 r14d 0xadeae0
esi 0xffc14 r15d 0x77053620

If-стейтменты:

1) Для чисел

0x00af774b	add	esp, 8			
0x00af774e	mov	ecx, eax			
0x00af7750	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			
0x00af7756	cmp	esi, esp			
0x00af7758	call	fcn.00411447			
0x00af775d	mov	eax, dword [ebp - 0x30]			
0x00af7760	cmp	eax, dword [ebp - 0x3c]			
0x00af7763	jle	0xaf7796			
0x00af7765	mov	eax, dword [ebp - 0x3c]			
0x00af7768	mov	dword [ebp - 0x30], eax			
0x00af776b	mov	esi, esp			
0x00af776d	mov	eax, dword [ebp - 0x30]			
0x00af7770	push	eax			
0x00af7771	push	str.X__y____X__y ; 0xafc18			
0x00af7776	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af777c	push	ecx			
0x00af777d	call	fcn.00411311			
0x00af7782	add	esp, 8			
0x00af7785	mov	ecx, eax			
0x00af7787	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			

Registers			
mxcsr	0x1f80	edi	0xeffe1c
eflags	0x244	r8d	0x2b
eax	0x633e9988	r9d	0x770d2dac
ecx	0xfb57e958	r10d	0x0
edx	0x63105a78	r11d	0x246
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xeffc14	r15d	0x77053620

0x00af774b	add	esp, 8			
0x00af774e	mov	ecx, eax			
0x00af7750	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			
0x00af7756	cmp	esi, esp			
0x00af7758	call	fcn.00411447			
0x00af775d	mov	eax, dword [ebp - 0x30]			
0x00af7760	cmp	eax, dword [ebp - 0x3c]			
0x00af7763	jle	0xaf7796			
0x00af7765	mov	eax, dword [ebp - 0x3c]			
0x00af7768	mov	dword [ebp - 0x30], eax			
0x00af776b	mov	esi, esp			
0x00af776d	mov	eax, dword [ebp - 0x30]			
0x00af7770	push	eax			
0x00af7771	push	str.X__y____X__y ; 0xafc18			
0x00af7776	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af777c	push	ecx			
0x00af777d	call	fcn.00411311			
0x00af7782	add	esp, 8			
0x00af7785	mov	ecx, eax			
0x00af7787	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			

Registers			
mxcsr	0x1f80	edi	0xeffe1c
eflags	0x244	r8d	0x2b
eax	0x9	r9d	0x770d2dac
ecx	0xfb57e958	r10d	0x0
edx	0x63105a78	r11d	0x246
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xeffc14	r15d	0x77053620

0x00af774b	add	esp, 8			
0x00af774e	mov	ecx, eax			
0x00af7750	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			
0x00af7756	cmp	esi, esp			
0x00af7758	call	fcn.00411447			
0x00af775d	mov	eax, dword [ebp - 0x30]			
0x00af7760	cmp	eax, dword [ebp - 0x3c]			
0x00af7763	jle	0xaf7796			
0x00af7765	mov	eax, dword [ebp - 0x3c]			
0x00af7768	mov	dword [ebp - 0x30], eax			
0x00af776b	mov	esi, esp			
0x00af776d	mov	eax, dword [ebp - 0x30]			
0x00af7770	push	eax			
0x00af7771	push	str.X__y____X__y ; 0xafc18			
0x00af7776	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af777c	push	ecx			
0x00af777d	call	fcn.00411311			
0x00af7782	add	esp, 8			
0x00af7785	mov	ecx, eax			
0x00af7787	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			

Registers			
mxcsr	0x1f80	edi	0xeffe1c
eflags	0x204	r8d	0x2b
eax	0x9	r9d	0x770d2dac
ecx	0xfb57e958	r10d	0x0
edx	0x63105a78	r11d	0x246
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xeffc14	r15d	0x77053620

0x00af774b	add	esp, 8			
0x00af774e	mov	ecx, eax			
0x00af7750	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			
0x00af7756	cmp	esi, esp			
0x00af7758	call	fcn.00411447			
0x00af775d	mov	eax, dword [ebp - 0x30]			
0x00af7760	cmp	eax, dword [ebp - 0x3c]			
0x00af7763	jle	0xaf7796			
0x00af7765	mov	eax, dword [ebp - 0x3c]			
0x00af7768	mov	dword [ebp - 0x30], eax			
0x00af776b	mov	esi, esp			
0x00af776d	mov	eax, dword [ebp - 0x30]			
0x00af7770	push	eax			
0x00af7771	push	str.X__y____X__y ; 0xafc18			
0x00af7776	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af777c	push	ecx			
0x00af777d	call	fcn.00411311			
0x00af7782	add	esp, 8			
0x00af7785	mov	ecx, eax			
0x00af7787	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			

Registers			
mxcsr	0x1f80	edi	0xeffe1c
eflags	0x204	r8d	0x2b
eax	0x9	r9d	0x770d2dac
ecx	0xfb57e958	r10d	0x0
edx	0x63105a78	r11d	0x246
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xeffc14	r15d	0x77053620

0x00af778d	cmp	esi, esp			
0x00af778f	call	fcn.00411447			
0x00af7794	jmp	0xaf77c5			
0x00af7796	mov	eax, dword [ebp - 0x30]			
0x00af7799	mov	dword [ebp - 0x3c], eax			
0x00af779c	mov	esi, esp			
0x00af779e	mov	eax, dword [ebp - 0x3c]			
0x00af77a1	push	eax			
0x00af77a2	push	str.X__y____Y__x ; 0xafd00			
0x00af77a7	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af77ad	push	ecx			
0x00af77ae	call	fcn.00411311			
0x00af77b3	add	esp, 8			
0x00af77b6	mov	ecx, eax			
0x00af77b8	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			
0x00af77be	cmp	esi, esp			
0x00af77c0	call	fcn.00411447			
0x00af77c5	lea	ecx, [ebp - 0x6c]			

Registers			
mxcsr	0x1f80	edi	0xeffe1c
eflags	0x244	r8d	0x2b
eax	0x633e9988	r9d	0x770d2dac
ecx	0xfb57e958	r10d	0x0
edx	0x63105a78	r11d	0x246
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xeffc14	r15d	0x77053620

0x00af778d	cmp	esi, esp			
0x00af778f	call	fcn.00411447			
0x00af7794	jmp	0xaf77c5			
0x00af7796	mov	eax, dword [ebp - 0x30]			
0x00af7799	mov	dword [ebp - 0x3c], eax			
0x00af779c	mov	esi, esp			
0x00af779e	mov	eax, dword [ebp - 0x3c]			
0x00af77a1	push	eax			
0x00af77a2	push	str.X__y____Y__x ; 0xafd00			
0x00af77a7	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0			
0x00af77ad	push	ecx			
0x00af77ae	call	fcn.00411311			
0x00af77b3	add	esp, 8			
0x00af77b6	mov	ecx, eax			
0x00af77b8	call	dword [public: class std::basic_ostream<char, struct std::char_traits<char>> & __thiscall std::basic_ostream::cout]			
0x00af77be	cmp	esi, esp			
0x00af77c0	call	fcn.00411447			
0x00af77c5	lea	ecx, [ebp - 0x6c]			

Registers			
mxcsr	0x1f80	edi	0xeffe1c
eflags	0x244	r8d	0x2b
eax	0x633e9988	r9d	0x770d2dac
ecx	0xfb57e958	r10d	0x0
edx	0x63105a78	r11d	0x246
ebx	0xd67000	r12d	0xd68000
esp	0xeffc14	r13d	0xadfda0
ebp	0xeffe28	r14d	0xadeae0
esi	0xeffc14	r15d	0x77053620

0x00af77c8	call	fcn.00411447	mxcsr	0x1f80	edi	0xeffe1c
0x00af77c5	lea	ecx, [ebp - 0x6c]	eflags	0x244	r8d	0x2b
0x00af77c8	call	fcn.004113e8				
0x00af77cd	mov	dword [ebp - 4], 0	eax	0x633e9988	r9d	0x770d2dac
0x00af77d4	push	str.Ukraine ; 0xaffeb4 ; int32_t arg_8h	ecx	0xfb57e958	r10d	0x0
0x00af77d9	lea	ecx, [ebp - 0x90]	edx	0x63105a78	r11d	0x246
0x00af77df	call	fcn.00411127	ebx	0xd67000	r12d	0xd68000
0x00af77e4	mov	byte [ebp - 4], 1	esp	0xeffc14	r13d	0xadfda0
0x00af77e8	push	str.Prykarpattia ; 0xaffd18 ; int32_t arg_8h	ebp	0xeffe28	r14d	0xadeae0
0x00af77ed	lea	ecx, [ebp - 0xb4]	esi	0xeffc14	r15d	0x77053620
0x00af77f3	call	fcn.00411127				
0x00af77f8	mov	byte [ebp - 4], 2				
0x00af77fc	lea	eax, [ebp - 0x90]				
0x00af7802	push	eax ; int32_t arg_ch				
0x00af7803	lea	ecx, [ebp - 0xb4]				
0x00af7809	push	ecx ; int32_t arg_8h				
0x00af780a	call	fcn.00411410				
0x00af780f	add	esp, 8				

2) Для рядків

0x00af7812	movzx	edx, al	mxcsr	0x1f80	edi	0xeffe1c
0x00af7815	test	edx, edx	eflags	0x214	r8d	0x2b
0x00af7817	je	0xaf78ed	eax	0x1	r9d	0x770d2dac
0x00af781d	lea	eax, [ebp - 0x90]	ecx	0xb05018	r10d	0x0
0x00af7823	push	eax	edx	0x1	r11d	0x246
0x00af7824	push	str.is_located_in ; 0xaffe94	ebx	0xd67000	r12d	0xd68000
0x00af7829	lea	ecx, [ebp - 0xb4]	esp	0xeffc14	r13d	0xadfda0
0x00af782f	push	ecx ; int32_t arg_10h	ebp	0xeffe28	r14d	0xadeae0
0x00af7830	push	0xaffed8 ; int32_t arg_ch	esi	0xeffc14	r15d	0x77053620
0x00af7835	lea	edx, [ebp - 0x198]				
0x00af783b	push	edx ; int32_t arg_8h				
0x00af783c	call	fcn.0041120d				
0x00af7841	add	esp, 0xc				
0x00af7844	mov	dword [ebp - 0x1f4], eax				
0x00af784a	mov	eax, dword [ebp - 0x1f4]				
0x00af7850	mov	dword [ebp - 0x1f8], eax				
0x00af7856	mov	byte [ebp - 4], 3				

0x00af7812	movzx	edx, al	mxcsr	0x1f80	edi	0xeffe1c
0x00af7815	test	edx, edx	eflags	0x200	r8d	0x2b
0x00af7817	je	0xaf78ed	eax	0x1	r9d	0x770d2dac
0x00af781d	lea	eax, [ebp - 0x90]	ecx	0xb05018	r10d	0x0
0x00af7823	push	eax	edx	0x1	r11d	0x246
0x00af7824	push	str.is_located_in ; 0xaffe94	ebx	0xd67000	r12d	0xd68000
0x00af7829	lea	ecx, [ebp - 0xb4]	esp	0xeffc14	r13d	0xadfda0
0x00af782f	push	ecx ; int32_t arg_10h	ebp	0xeffe28	r14d	0xadeae0
0x00af7830	push	0xaffed8 ; int32_t arg_ch	esi	0xeffc14	r15d	0x77053620
0x00af7835	lea	edx, [ebp - 0x198]				
0x00af783b	push	edx ; int32_t arg_8h				
0x00af783c	call	fcn.0041120d				
0x00af7841	add	esp, 0xc				
0x00af7844	mov	dword [ebp - 0x1f4], eax				
0x00af784a	mov	eax, dword [ebp - 0x1f4]				
0x00af7850	mov	dword [ebp - 0x1f8], eax				
0x00af7856	mov	byte [ebp - 4], 3				

0x00af7812	movzx	edx, al	mxcsr	0x1f80	edi	0xeffe1c
0x00af7815	test	edx, edx	eflags	0x200	r8d	0x2b
0x00af7817	je	0xaf78ed	eax	0x1	r9d	0x770d2dac
0x00af781d	lea	eax, [ebp - 0x90]	ecx	0xb05018	r10d	0x0
0x00af7823	push	eax	edx	0x1	r11d	0x246
0x00af7824	push	str.is_located_in ; 0xaffe94	ebx	0xd67000	r12d	0xd68000
0x00af7829	lea	ecx, [ebp - 0xb4]	esp	0xeffc14	r13d	0xadfda0
0x00af782f	push	ecx ; int32_t arg_10h	ebp	0xeffe28	r14d	0xadeae0
0x00af7830	push	0xaffed8 ; int32_t arg_ch	esi	0xeffc14	r15d	0x77053620
0x00af7835	lea	edx, [ebp - 0x198]				
0x00af783b	push	edx ; int32_t arg_8h				
0x00af783c	call	fcn.0041120d				
0x00af7841	add	esp, 0xc				
0x00af7844	mov	dword [ebp - 0x1f4], eax				
0x00af784a	mov	eax, dword [ebp - 0x1f4]				
0x00af7850	mov	dword [ebp - 0x1f8], eax				
0x00af7856	mov	byte [ebp - 4], 3				

0x00af785a	mov	ecx, dword [ebp - 0x1f8]	Registers			
0x00af7860	push	ecx ; int32_t arg_ch	mxcsr	0x1f80	edi	0xeffe1c
0x00af7861	lea	edx, [ebp - 0x1bc]	eflags	0x200	r8d	0x2b
0x00af7867	push	edx ; int32_t arg_8h	eax	0x1	r9d	0x770d2dac
0x00af7868	call	fcn.004116e5	ecx	0xb05018	r10d	0x0
0x00af786d	add	esp, 0xc	edx	0x1	r11d	0x246
0x00af7870	mov	dword [ebp - 0x1fc], eax	ebx	0xd67000	r12d	0xd68000
0x00af7876	mov	eax, dword [ebp - 0x1fc]	esp	0xeffc14	r13d	0xadfda0
0x00af787c	mov	dword [ebp - eflags], eax	ebp	0xeffe28	r14d	0xadeae0
0x00af7882	mov	byte [ebp - 4], 4	esi	0xeffc14	r15d	0x77053620
0x00af7886	mov	ecx, dword [ebp - eflags]				
0x00af788c	push	ecx ; int32_t arg_ch				
0x00af788d	lea	edx, [ebp - 0x1e0]				
0x00af7893	push	edx ; int32_t arg_8h				
0x00af7894	call	fcn.004114b5				
0x00af7899	add	esp, 0xc				
0x00af789c	mov	dword [ebp - 0x204], eax				
0x00af78a2	mov	eax, dword [ebp - 0x204]				
0x00af78a8	push	eax ; int32_t arg_8h				
0x00af78a9	lea	ecx, [ebp - 0x6c]				
0x00af78ac	call	fcn.004114e2				
0x00af78b1	lea	ecx, [ebp - 0x1e0]				
0x00af78b7	call	fcn.00411398				

0x00af78bc	mov	byte [ebp - 4], 3	Stack Backtrace Threads			
0x00af78c0	lea	ecx, [ebp - 0x1bc]	Registers			
0x00af78c6	call	fcn.00411398	mxcsr	0x1f80	edi	0xeffe1c
0x00af78cb	mov	byte [ebp - 4], 2	eflags	0x214	r8d	0x2b
0x00af78cf	lea	ecx, [ebp - 0x198]	eax	0x633e9988	r9d	0x770d2dac
0x00af78d5	call	fcn.00411398	ecx	0x9806cfd	r10d	0x0
0x00af78da	lea	eax, [ebp - 0x6c]	edx	0x63105a78	r11d	0x246
0x00af78dd	push	eax ; int32_t arg_ch	ebx	0xd67000	r12d	0xd68000
0x00af78de	mov	ecx, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0	esp	0xeffc14	r13d	0xadfda0
0x00af78e4	push	ecx ; int32_t arg_8h	ebp	0xeffe28	r14d	0xadeae0
0x00af78e5	call	fcn.00411492	esi	0xeffc14	r15d	0x77053620
0x00af78ea	add	esp, 8				
0x00af78ed	push	str.day ; 0xaffe4				
0x00af78f2	push	str.Input_the_day_of_week ; 0xaffeb				
0x00af78f7	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0				
0x00af78fd	push	eax				
0x00af7902	call	fcn.00411311				
0x00af7905	add	esp, 8				
0x00af7906	push	eax				
0x00af790b	add	esp, 8				
0x00af790e	mov	esi, esp				
0x00af7910	lea	eax, [ebp - 0x48]				
0x00af7913	push	eax				
0x00af7914	mov	ecx, dword [class std::basic_istream<char, struct std::char_traits<char>> std::cin] ; 0xb03098				
0x00af791a	call	dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istre				

Switch:

<pre>0x00af791a call dword [public: class std::basic_istream<char, struct std::char_traits<char>> & __thiscall std::basic_istream<char, struct std::char_traits<char>>::get<char>() const] 0x00af7920 cmp esi, esp 0x00af7922 call fcn.00411447 0x00af7927 mov eax, dword [ebp - 0x48] 0x00af792a mov dword [ebp - 0x1f4], eax 0x00af7930 mov ecx, dword [ebp - 0x1f4] 0x00af7936 sub ecx, 1 0x00af7939 mov dword [ebp - 0x1f4], ecx 0x00af793f cmp dword [ebp - 0x1f4], 6 0x00af7946 ja case.default.0x417952 0x00af794c mov edx, dword [ebp - 0x1f4] 0x00af7952 jmp dword [edx*4 + 0xaf7ac8] ; switch table (7 cases) at 0x417ac8 0x00af7959 push str.Monday ; 0xafff0c 0x00af795e mov eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0 0x00af7963 push eax 0x00af7964 call fcn.00411311 0x00af7969 add esp, 8 0x00af796c push str.Tuesday ; 0xafff1c 0x00af7971 mov eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0 0x00af7976 push eax 0x00af7977 call fcn.00411311</pre>	<p>Stack Backtrace Threads</p> <p>Registers</p> <table><tr><td>mxcsr</td><td>0x1f80</td><td>edi</td><td>0x6ff984</td></tr><tr><td>eflags</td><td>0x204</td><td>r8d</td><td>0x2b</td></tr><tr><td>eax</td><td>0x6</td><td>r9d</td><td>0x770d2d8c</td></tr><tr><td>ecx</td><td>0x5</td><td>r10d</td><td>0x0</td></tr><tr><td>edx</td><td>0x63105a40</td><td>r11d</td><td>0x246</td></tr><tr><td>ebx</td><td>0x50f000</td><td>r12d</td><td>0x510000</td></tr><tr><td>esp</td><td>0x6ff77c</td><td>r13d</td><td>0x35fda0</td></tr><tr><td>ebp</td><td>0x6ff990</td><td>r14d</td><td>0x35e880</td></tr><tr><td>esi</td><td>0x6ff77c</td><td>r15d</td><td>0x77053620</td></tr></table>	mxcsr	0x1f80	edi	0x6ff984	eflags	0x204	r8d	0x2b	eax	0x6	r9d	0x770d2d8c	ecx	0x5	r10d	0x0	edx	0x63105a40	r11d	0x246	ebx	0x50f000	r12d	0x510000	esp	0x6ff77c	r13d	0x35fda0	ebp	0x6ff990	r14d	0x35e880	esi	0x6ff77c	r15d	0x77053620
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0x00af79b8	jmp	case.default.0x417952	mxcsr	0x1f80	edi	0x6ff984
0x00af79ba	push	str.Saturday ; 0xaffd7c	eflags	0x200	r8d	0x2b
0x00af79bf	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0				
0x00af79c4	push	eax	eax	0x633e9988	r9d	0x770d2dac
0x00af79c5	call	fcn.00411311	ecx	0xe940fb6	r10d	0x0
0x00af79ca	add	esp, 8	edx	0x63105a78	r11d	0x246
0x00af79cd	push	str.Sunday__Day_s__OFF ; 0xaffedc	ebx	0x50f000	r12d	0x510000
0x00af79d2	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0	esp	0x6ff77c	r13d	0x35fda0
0x00af79d7	push	eax	ebp	0x6ff990	r14d	0x35e880
0x00af79d8	call	fcn.00411311				
0x00af79dd	add	esp, 8				
0x00af79e0	mov	dword [ebp - 0x1ec], 0				
0x00af79ea	mov	byte [ebp - 4], 1				
0x00af79ee	lea	ecx, [ebp - 0xb4]				
0x00af79f4	call	fcn.00411398				

0x00af79b8	jmp	case.default.0x417952	mxcsr	0x1f80	edi	0x6ff984
0x00af79ba	push	str.Saturday ; 0xaffd7c	eflags	0x200	r8d	0x2b
0x00af79bf	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0				
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0x00af79c5	call	fcn.00411311	ecx	0xe940fb6	r10d	0x0
0x00af79ca	add	esp, 8	edx	0x63105a78	r11d	0x246
0x00af79cd	push	str.Sunday__Day_s__OFF ; 0xaffedc	ebx	0x50f000	r12d	0x510000
0x00af79d2	mov	eax, dword [class std::basic_ostream<char, struct std::char_traits<char>> std::cout] ; 0xb030e0	esp	0x6ff77c	r13d	0x35fda0
0x00af79d7	push	eax	ebp	0x6ff990	r14d	0x35e880
0x00af79d8	call	fcn.00411311				
0x00af79dd	add	esp, 8				
0x00af79e0	mov	dword [ebp - 0x1ec], 0				
0x00af79ea	mov	byte [ebp - 4], 1				
0x00af79ee	lea	ecx, [ebp - 0xb4]				
0x00af79f4	call	fcn.00411398				

Результат виконання програми

D:\KPI\C, C++\ConsoleApplication4\Debug\ConsoleApplication4.exe

```
(a = 10, b = 5) => a * b = 50
(a = 10, b = 5) => a / b = 2
```

Input integer value:

x = 9

Input integer value:

y = 3

So, we have:

x - y = 6

x + y = 12

(x > y) => x = y = 3

Prykarpattia is located in Ukraine

Input the day of week?

day = 6

Saturday, Sunday - Day(s) OFF

2. Дерево (граф) програми:

