

FileEditViewGitProjectBuildDebugTestAnalyzeToolsExtensionsWindowHelpSearch (Ctrl+Q)Project1

Process: [17352] Project1.exeThread: [4412] Main ThreadStack Frame: main

RegistersEAX = 00000034 EBX = 01126000 ECX = 00000000 EDX = 012FF850 ESI = 00000009 EDI = 00ED1005 EIP = 00ED1044 ESP = 012FF870 EBP = 012FF87C EFL = 00000206

100%Memory 1Registers

Mendapattal.asm

```
1 ;convert the pseudocode into assembly code
2
3
4 .386
5 .model flat, stdcall
6 .stack 4096
7
8 ExitProcess PROTO, dwExitCode:DWORD
9
10 .data
11 array_list DWORD 10, 11, 13, 18, 21, 23, 24, 17, 45
12 array_size = LENGTHOF array_list
13
14     index = 0
15     sum DWORD ?
16
17 .code
18 main PROC
19     mov eax, 0
20     mov ecx, array_size
21     mov esi, index
22
23     L1:
24     cmp esi, array_size
25     jnle endwhile
26     jmp whileloop
27
28     whileloop:
29     test array_list[esi * (TYPE array_list)],1
30     jz ifBlock
31     jmp next
32
```

Diagnostic Tools

Diagnostics session: 0 seconds (29 ms selected)

27.6ms28ms

Process Memory

CPU (% of all processors)

SummaryEventsMemory UsageCPU Usage

Events

Show Events (77 of 77)

Memory Usage

Take Snapshot

Enable heap profiling (affects performance)

CPU Usage

33

34 ifBlock:

35 add eax, array\_list [esi \* (TYPE array\_list)]

36

37 next:

38 endwhile:

39 inc esi

40 loop L1

41

42 mov sum, eax

43

44 INVOKE ExitProcess,0 51ms elapsed

45

46 main ENDP

47 END main

100%No issues found

Ln: 15Ch: 12TABSCTRL

## Watch window

