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

Memory 1   Registers

Mandapaka11.asm

```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
33      ifBlock:
34          add eax, array_list [esi * (TYPE array_list)]
35
36      next:
37      endwhile:
38          inc esi
39          loop L1
40
41      mov sum, eax
42
43      INVOKE ExitProcess,0    ≤1ms elapsed
44
45  main ENDP
46  END main
```

Watch window