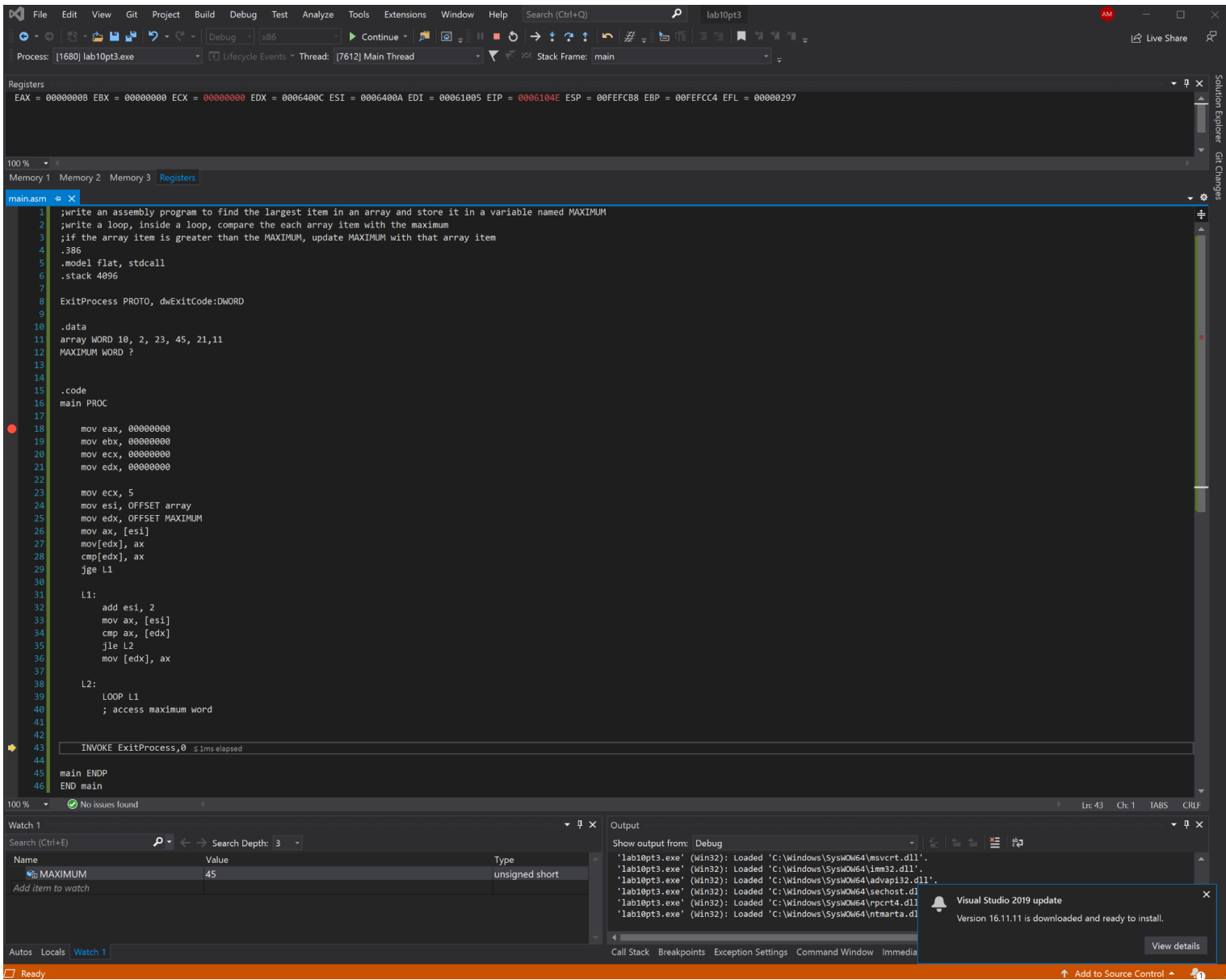
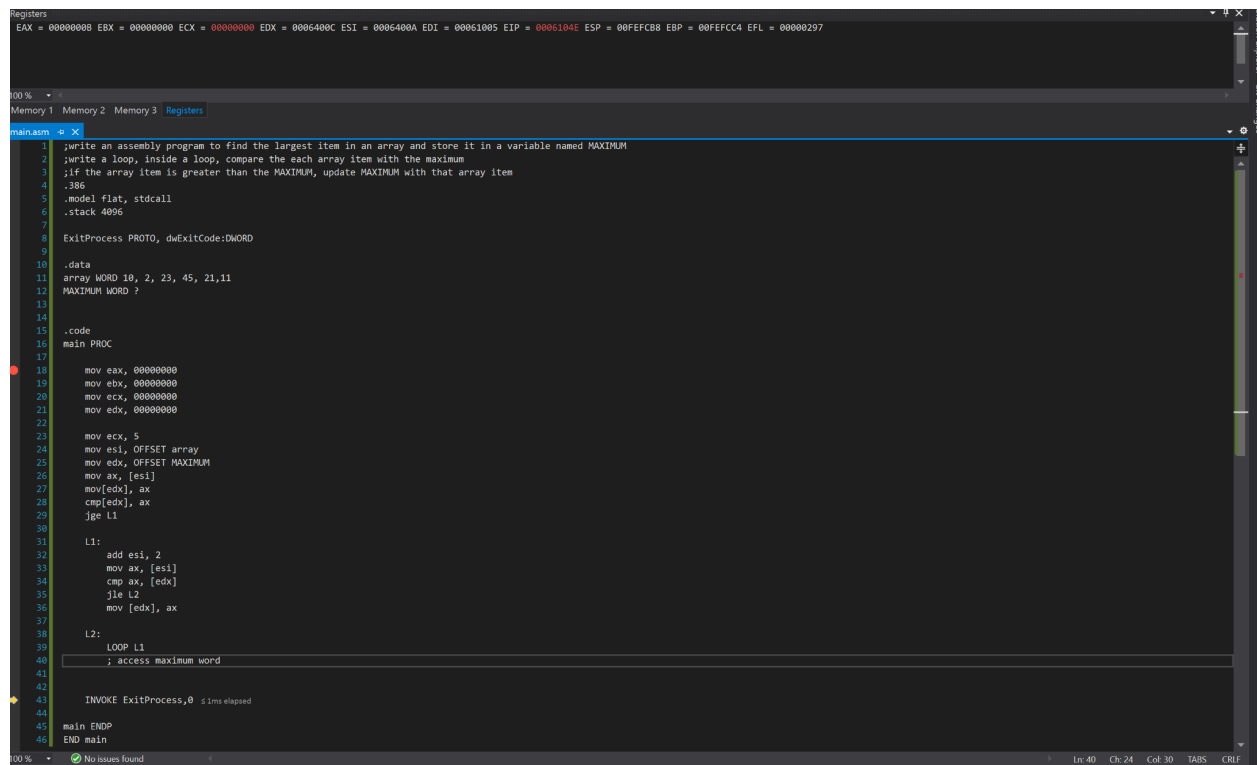


Screenshot with code and watch window



Screenshot of the code

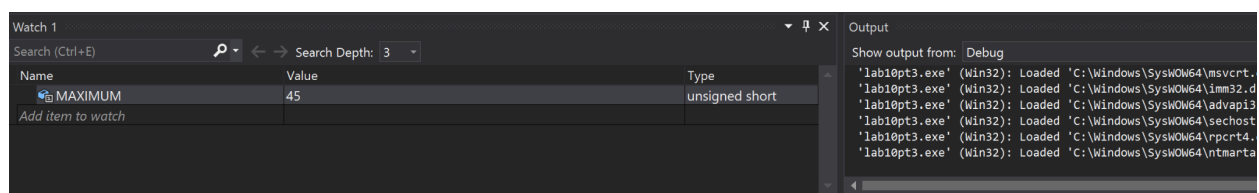


The screenshot shows a debugger window with the assembly code for a program named 'main'. The code is written in MASM syntax and is designed to find the maximum value in an array. The registers at the top show the current state of the CPU. The code includes a loop that compares each element of the array with the current maximum and updates the maximum if a larger value is found. The program ends with a call to 'ExitProcess'.

```
Registers
EAX = 00000000 EBX = 00000000 ECX = 00000000 EDX = 0005400C ESI = 0005400A EDI = 00051005 EIP = 0005104E ESP = 00FEFCB8 EBP = 00FEFC44 EFL = 00000297

100%
Memory 1 Memory 2 Memory 3 Registers
main.asm
1 ;write an assembly program to find the largest item in an array and store it in a variable named MAXIMUM
2 ;write a loop, inside a loop, compare the each array item with the maximum
3 ;if the array item is greater than the MAXIMUM, update MAXIMUM with that array item
4 .386
5 .model flat, stdcall
6 .stack 4096
7
8 ExitProcess PROTO, dwExitCode:DWORD
9
10 .data
11 array WORD 10, 2, 23, 45, 21, 11
12 MAXIMUM WORD ?
13
14 .code
15 main PROC
16
17
18 mov eax, 00000000
19 mov ebx, 00000000
20 mov ecx, 00000000
21 mov edx, 00000000
22
23 mov ecx, 5
24 mov esi, OFFSET array
25 mov edx, OFFSET MAXIMUM
26 mov ax, [esi]
27 mov [edx], ax
28 cmp [edx], ax
29 jge L1
30
31 L1:
32 add esi, 2
33 mov ax, [esi]
34 cmp ax, [edx]
35 jle L2
36 mov [edx], ax
37
38 L2:
39 LOOP L1
40 ; access maximum word
41
42
43 INVOKE ExitProcess, 0 ; 0 ms elapsed
44
45 main ENDP
46 END main
```

Screenshot of watch window



The screenshot shows the Watch window in a debugger. It displays a single watch item named 'MAXIMUM' with a value of 45 and an unsigned short type. The Search Depth is set to 3. The Output window on the right shows a list of loaded DLLs for the process 'lab10pt3.exe'.

Name	Value	Type
MAXIMUM	45	unsigned short

Search Depth: 3

Output

Show output from: Debug

- 'lab10pt3.exe' (Win32): Loaded 'C:\Windows\SysWOW64\msvcrt.
- 'lab10pt3.exe' (Win32): Loaded 'C:\Windows\SysWOW64\imm32.d
- 'lab10pt3.exe' (Win32): Loaded 'C:\Windows\SysWOW64\advapi3
- 'lab10pt3.exe' (Win32): Loaded 'C:\Windows\SysWOW64\sechost
- 'lab10pt3.exe' (Win32): Loaded 'C:\Windows\SysWOW64\rpcrt4.
- 'lab10pt3.exe' (Win32): Loaded 'C:\Windows\SysWOW64\ntmarta