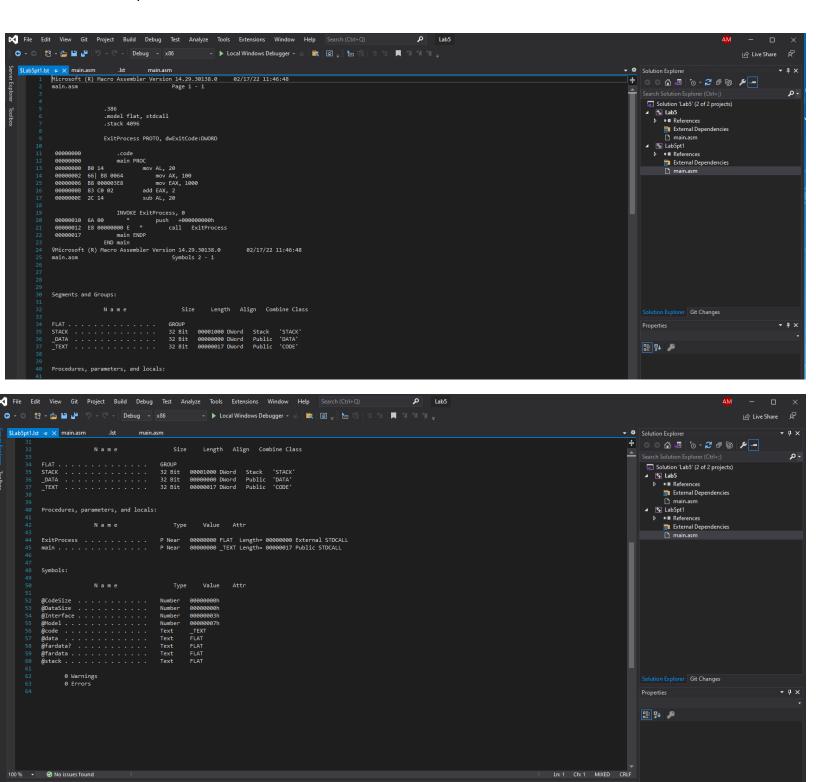
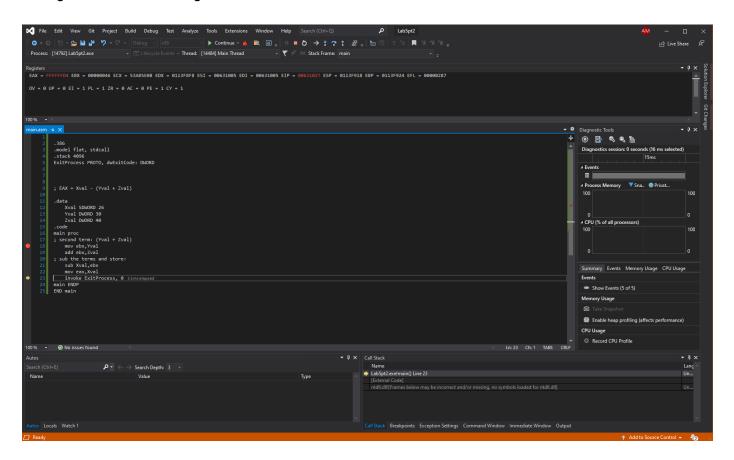
Lab 5 part 1



Lab 5 pt 2

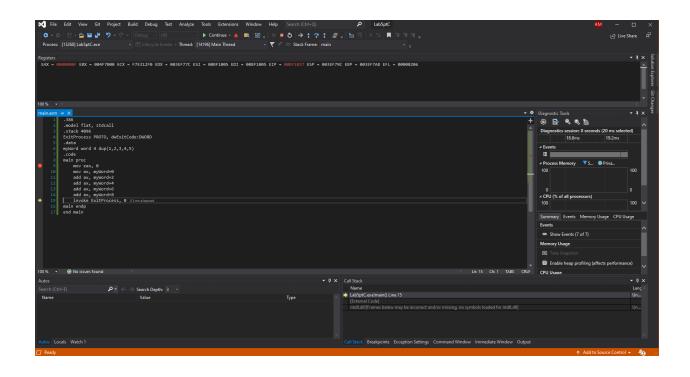
Debug the code until the 'invoke ExitProcess, 0'. Attach a screenshot showing the contents of AX register at the end along with the code.



Lab 5c

What is the total size of the myWord array?

Each word is 2 bytes so the total size is 40 bytes 2*5*4



Lab 5 pt D

```
| 👸 - 🚅 🔡 👺 | 🦻 • 🥞 - | Debug → x86
                                                → Pa 🖓 🖂 Stack Frame: main
Process: [30408] Project_5_P4.exe

    Lifecycle Events - Thread: [5272] Main Thread

EAX = 00000068 EBX = 002D6000 ECX = 00161005 EDX = 00161005 ESI = 00161005 EDI = 00161005 EIP = 00161017 ESP = 0055F78C EBP = 0055F798 EFL = 00000246
         ;Calculating the size of the String
         . 386
         .model flat,stdcall
         .stack 4096
        ExitProcess proto, dwExitCode:dword
         .data
        myString byte "This is a very long string made by your instructor to test how $ works in this lab hope you will like it" myString_length = ($ - myString)
        main proc
            mov eax, \theta
            mov al, myString_length
        invoke ExitProcess, 0 ≤ 1ms elapsed
        main endp
```

What is the difference between symbolic constants and variables? Symbolic constant is basically a constant that is represented by a name, just like the variable, whereas the variable after a constant is initialized, its value can't be changed. Symbolic

constant is created by associating an identifier with either an integer expression or some text. Variable reserves storage, a symbolic constant does not use any storage, symbolic constant is defined by assembler and does not change the run time.