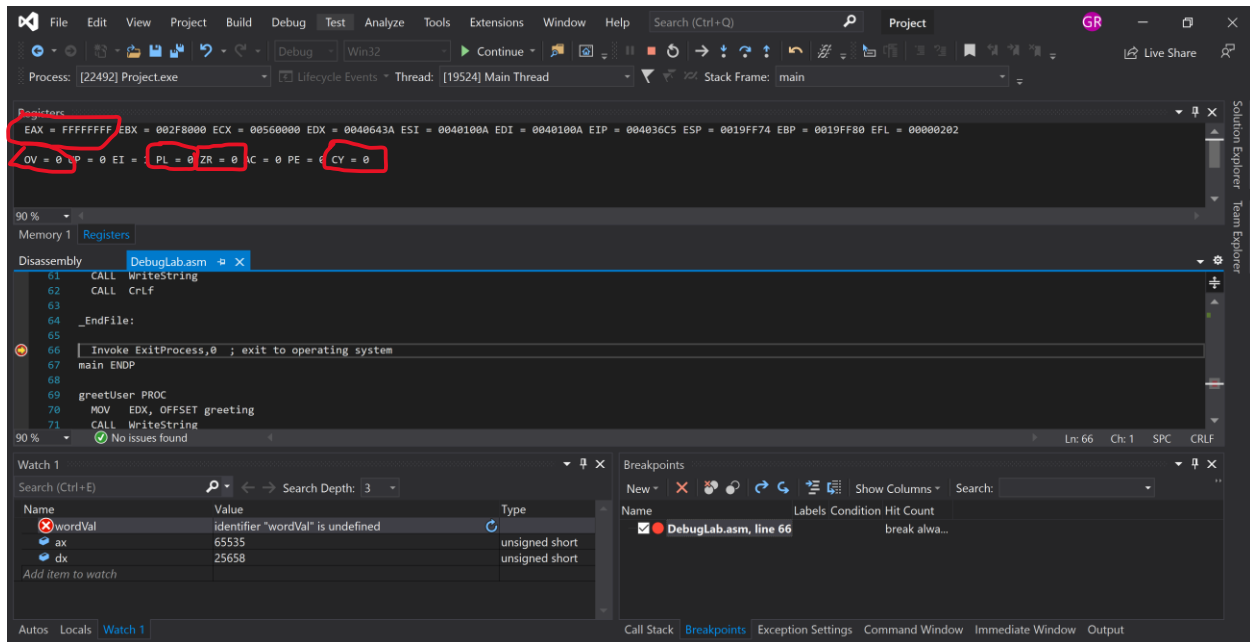


Gretel Rajamoney

10/22/2020

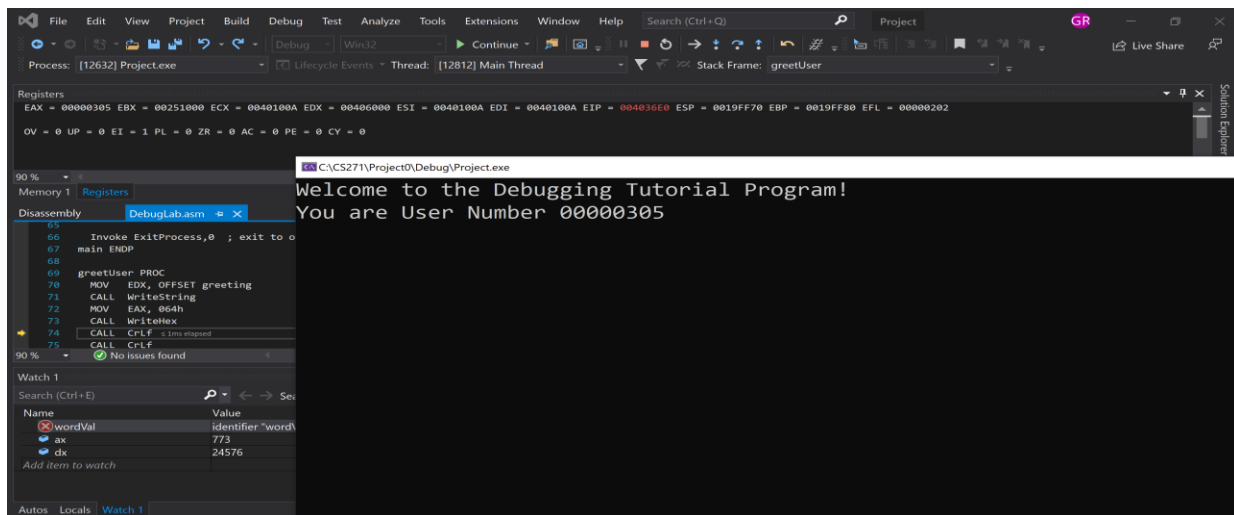
ONID ID: 933-188-305

Part 1:



1. EAX = FFFFFFFF
2. Carry = Clear, Overflow = Clear, Zero = Clear, Sign = Clear

Part 2:



Part 3:

1. 040368Ah

```
Disassembly  X  DebugLab.asm

Address:  main(void)

▼ Viewing Options
  ; Verify correct filename/file path
  CMP     FAX, INVALID_HANDLE_VALUE
00403674  cmp     eax, 0FFFFFFFFh
JNE      _validName    ; Filename Checks Out!
➔ 00403677  jne     _validName    (040368Ah)    ≤ 1ms elapsed
MOV      EDX, OFFSET fileNameError ; Print Filename Error!
00403679  mov     edx, offset fileNameError (040643Ah)
CALL     WriteString    ; Notify User
```

-
2. The instruction at this line of code is JNE, but the operands that this line of code is comparing is the value stored in the EAX register and the value stored in INVALID_HANDLE_VALUE.
3. The leftmost value and the EIP on any given line are always the same. This is because the EIP represents the instruction pointer, therefore the leftmost value that the arrow is pointing to will always be the same value as the instruction pointer.

Part 4:

1. After typing "&fileBuffer+306" into the address bar of the memory window, I have concluded that the 306th byte of TestText.txt is 'o'.

Memory

Address: 0x00406184

Address	Hex	ASCII
0x00406184	6f 6e 20 6e 6f 74 20 6a 75 70 20 74 68 65 20 6d 75 74 69 6e 65 6d 72 73 20 62 75 74 20 74 68 65 20 65 74 69 72 65	on not just the mutineers but the entire
0x0040618C	63 72 65 77 20 6f 6e 70 72 65 68 69 73 74 6f 72 69 63 20 45 61 72 74 68 2e 0d 0a 0d 0a 44 61 68 61 6b 20 68 61 73	crew on prehistoric Earth....Dahak has
0x004061D4	20 62 65 65 68 20 68 65 65 70 72 65 6f 73 6c 79 20 77 61 69 74 69 6f 20 61 73 20 74 68 65 20 64 65 73 63 65 6e 64 61	been helplessly waiting as the descenda
0x004061FC	6e 74 73 20 6f 6e 74 68 65 20 6c 6f 79 61 6c 20 63 72 65 77 20 72 65 67 72 65 73 73 65 64 20 77 68 69 6c 65 20 74 68	nts of the loyal crew regressed while the
0x0040627A	6d 70 6d 75 74 69 6e 65 65 72 73 70 6d 61 69 6a 65 64 7a 63 6f 6e 74 72 6f 6c 20 6f 66 7a 74 65 63 68 6e 6f	mutineers maintained control of techno

Columns: Auto

Registers

Disassembly: DebugLab.asm

- 2.

Part 5:

1. The unsigned value of fileHandle in hexadecimal is 0x00000098.

