NAME: OLORUNFEMI-OJO DANIEL TOMIWA

**MATRIC: 190805503** 

**DEPARTMENT: COMPUTER SCIENCE** 

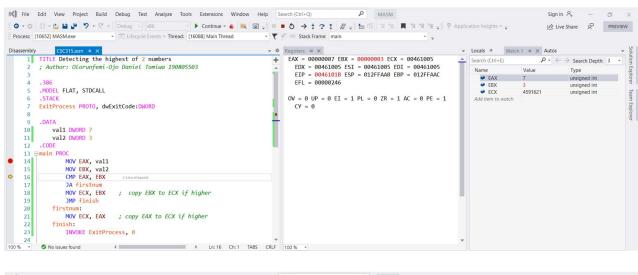
**COURSE: CSC 315** 

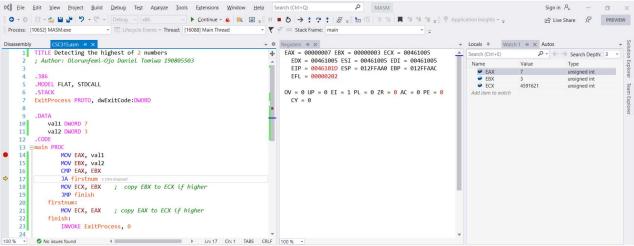
SIGN:

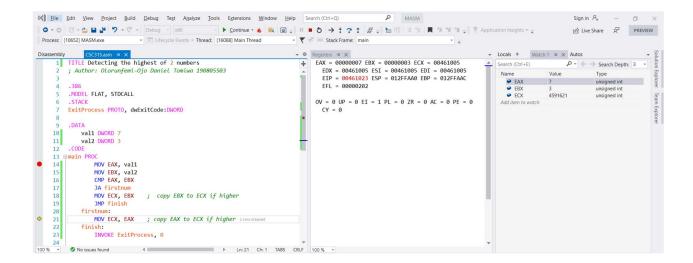
```
TITLE Detecting the highest of 2 numbers
; Author: Olorunfemi-Ojo Daniel Tomiwa 190805503
.386
.MODEL FLAT, STDCALL
.STACK
ExitProcess PROTO, dwExitCode:DWORD
.DATA
     val1 DWORD 74
     val2 DWORD 10
.CODE
main PROC
           MOV EAX, val1
           MOV EBX, val2
           CMP EAX, EBX
           JA firstnum
           MOV ECX, EBX ; copy EBX to ECX if higher
           JMP finish
     firstnum:
           MOV ECX, EAX ; copy EAX to ECX if higher
     finish:
           INVOKE ExitProcess, 0
main ENDP
```

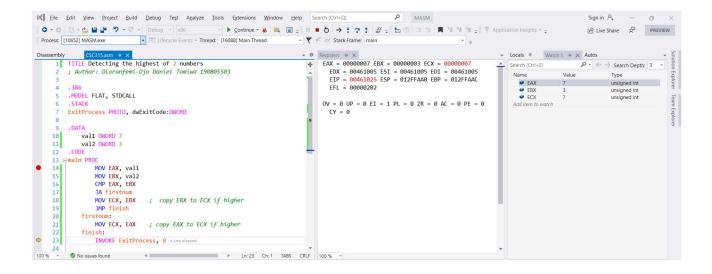
END main

## EXAMPLE 1: 7 and 3

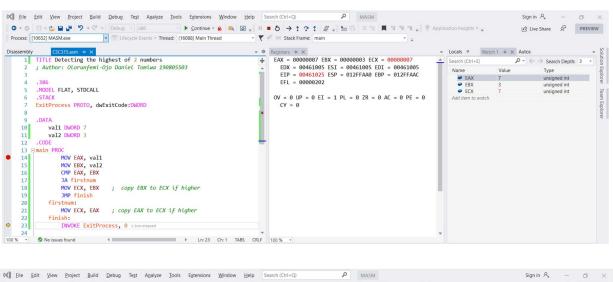


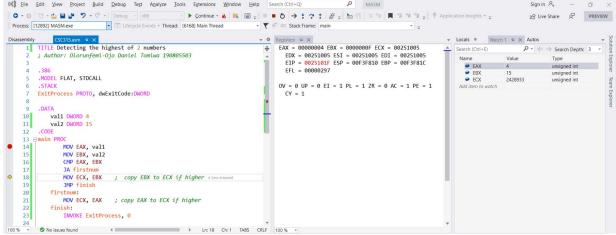


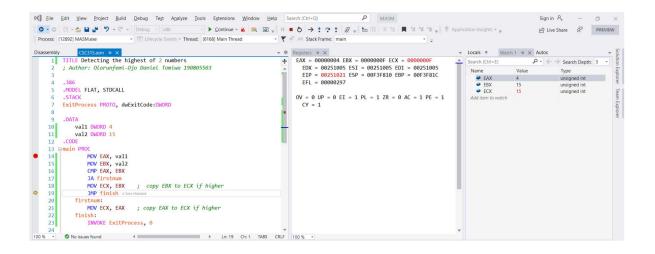


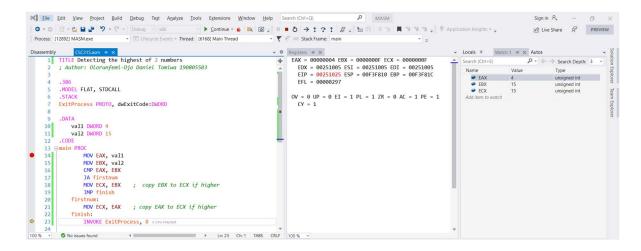


# **EXAMPLE 2:** 4 and 15

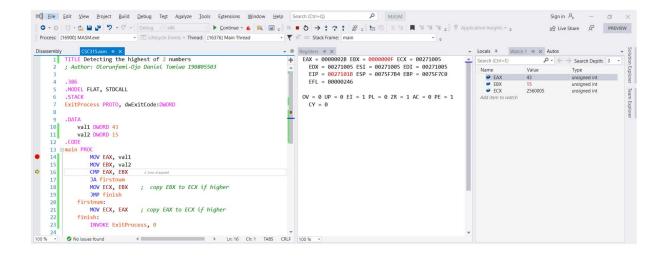


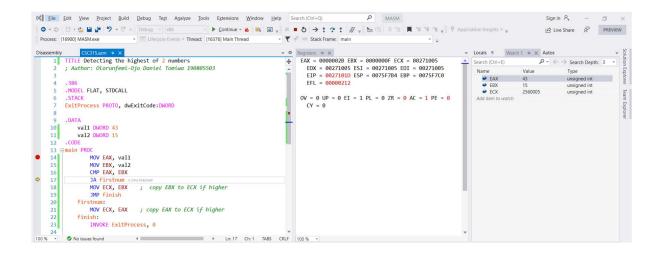


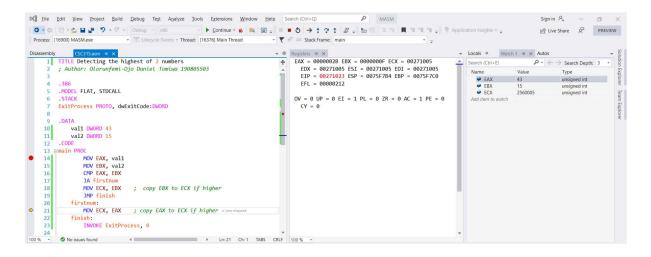


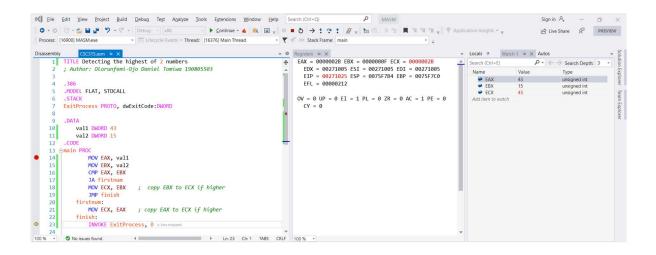


## **EXAMPLE 3:** 43 and 15

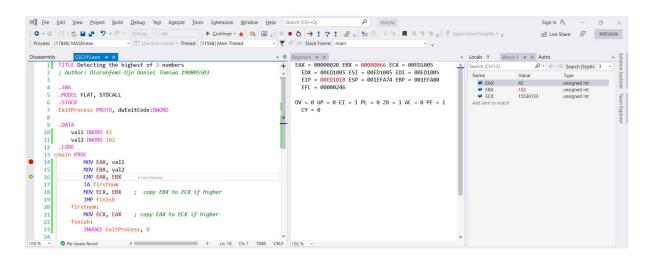


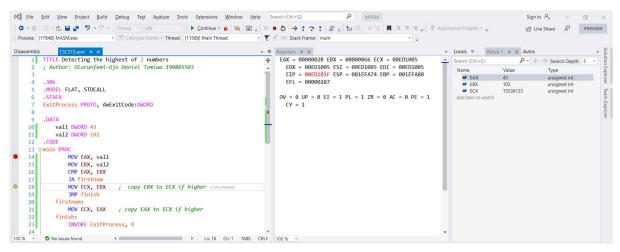


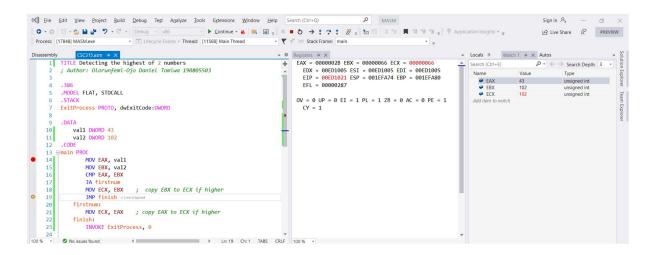


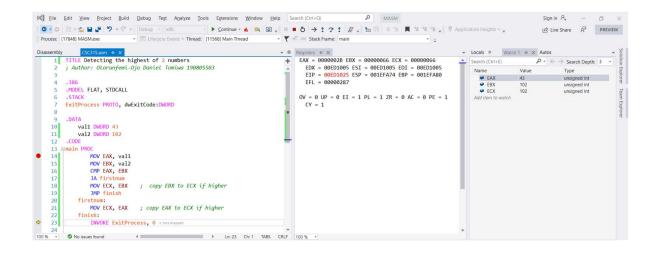


## **EXAMPLE 4:** 43 and 102









# **EXAMPLE 5:** 74 and 10

