Anne Marie Heidebreicht

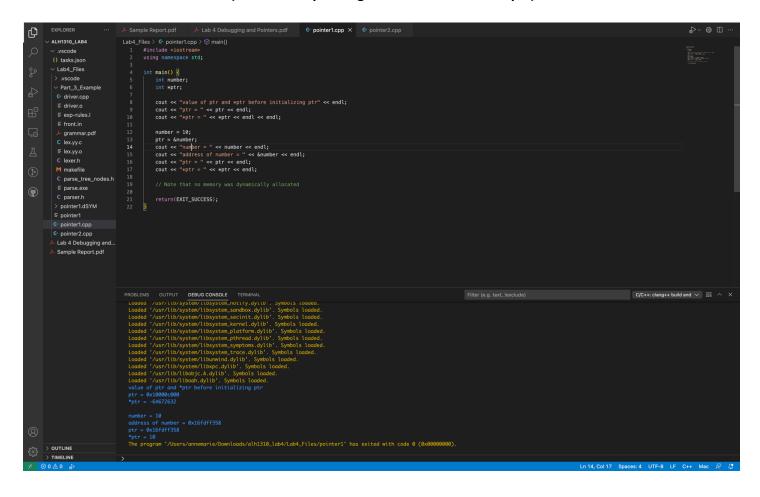
CSE 4714 Theory and Implementation of Programming Languages

April 28, 2023

Lab 4 – Debugging and Pointers

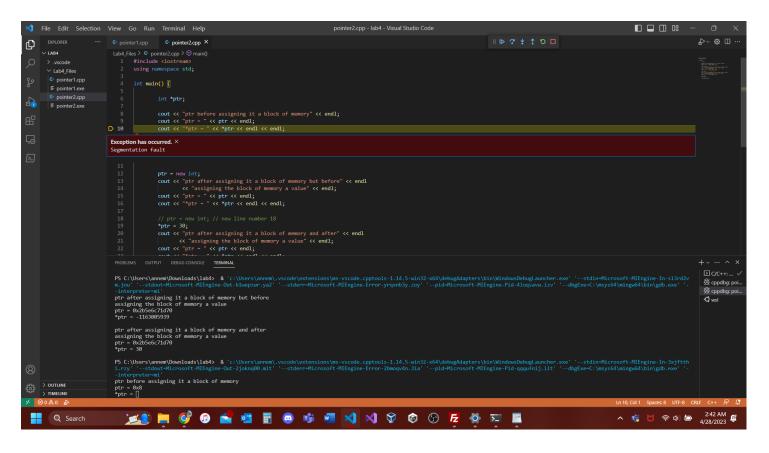
Pointer to a Stack Variable - Reference *ptr before assigning a legitamate memory address

(Resulted in printing random number for *ptr)



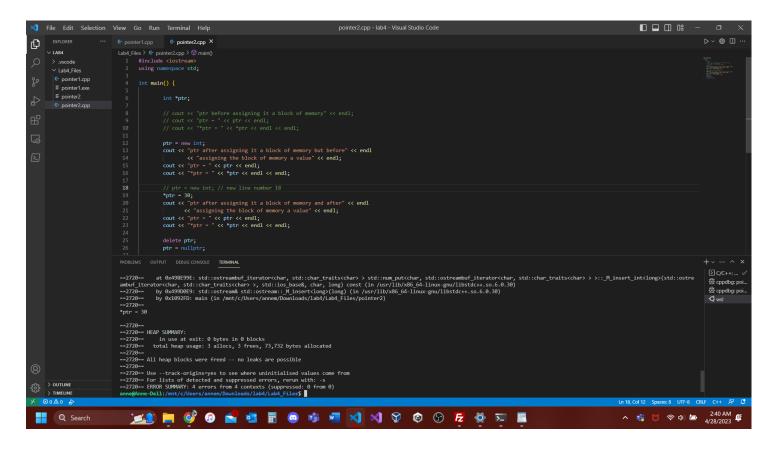
Pointer to a Heap Variable - Reference *ptr before assigning a legitamate memory address

(Resulted in a segmentation fault error)



Pointer to a Heap Variable - No memory leak

(Resulted in 0 memory leaks found by Valgrind)



Part 3 Example Code - Created a memory leak by getting rid of line 54

(Resulted in Valgrind finiding a memory leak)

