Hello Everyone,

My name is Mohamed. I live in New York, and I’m pursuing a BSc in CS, close to approaching the end of the program. I have have been working in the software industry for many years and worked with wide range of languages and business domains. However, I haven’t worked with C/C++ during my career and I’m doing this shift at this time which motivates me to enroll in the course to give me better understanding of the low level development. I have had a little expedience in revere engineering many years ago. I cracked a dictionary desktop application so basically negate the condition that keep popping a screen for the license, I guess I used Ollydbg to examine the code and find out where the check condition for the license, I think had used a different utility to generate new binary which I don’t recall. NOTE: the company was already out of business in 1996 :D so I’m not facing illegal issues.

I have seen the video in 2020 and I totally support his views, the new thing I learned was comparing the same program assembly code with different optimization option to learn what the compiler has done.

There are different reasons for me to understand/learn assembly. First, is to optimize the program through using assembly language directly in C program instead of using system calls or pre-made libraries. Second, have better understanding for the system tools that we don’t have access to their code. Third, examine the binaries for security reasons to confirm that apps do what they are intended to do. Four, give a competitive edge in the software market.