

C code report-assignment1

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When doing the homework, I have met some problems.

Since the data structure was a new concept for me. So I try to find some video in Chinese that taught this concept. Also, ask TA to learn more about data structure.

Since the functions that professor given can only set two complex numbers, I couldn't calculate the equation in verify part in one time. First, I add and multiplication then part by part. However, the code was too complex and messy. So finally, I let the function within the function and fix the problem.

program steps:

First, I set a dev file and put .c, .h files into it. Then, write the function in complex.h. Also write the code of the function in complex.c. Finally, write the main code in quadratic_equation_verifier.c. In the main code, I first quoted complex.h and set three variables as the coefficients of the equation. Then, printed the equation without zero part and calculated the roots by the formula. Finally, printed them and used the functions to verify if the roots were correct.