

Problem

During the develop process of my program for assignment 1, I had encounter three problems. First, the creation of the c project and the creation of the c header file. Second, the process of changing the real number coefficient to complex number coefficient and which is the r2c function. Finally, the complex number operation when doing the final verify of the two roots.

How I develop my program

First, I created a c program project called Quadratic_Equation_Verifier which include a complex header file, complex c file and a main c file. Second, I develop some functions that I will use in main program in the header file. Then, type the content of each function in the complex c file. Third, use discriminant to decide whether two roots are complex number or real number. Forth, print out the function and roots in the correct format. Fifth, change the coefficient from real number to complex number. Finally, develop the verify part with the function in complex c file.