

Assignment1 report

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First of all, I write the header file. Through the teacher's instruction, we had hints to code the header file, so I just followed it. Then, I started to code the main file. Create some variables at first. Second, input three coefficients. And then, print out the equation. Use discriminant to judge if the roots are complex numbers or not and then calculate the roots and print out. Lastly, put the roots into equation and verify the two roots. Consider the precision error up to the quadratic equation is less than 0.000001. Before doing the verification, I code the file of "complex.c" to insure that I have function to use.