

Problem

During the making process of my program, I've encounter two main problems. First, the use of operator, it's about knowing what operator means in Complex class and how to write it correctly. Second, the difference between Complex number plus Complex number, Complex number plus double and double plus Complex number and so as minus, multiplication and division.

Process

First, I create a class call Complex and define the `re` and `img` to a double number. In the class, I write some operator doing addition, subtraction, multiplication and division. Also, I write some function like `setRe` and `getRe`. In main program, I first write the input part. Second, I write the output of equation. Then, I use Discriminant to check whether the roots are two double number, one double number or two complex numbers. Next, output the all the roots. Finally, write the Verification of the two quadratic equation roots to check whether our roots are precise enough.