

Assignment1 report

In this assignment we need to learn what is project file and how to use it to simplify the program code. As a result, we need to define the data structure in the .h file to make it easier to use later. And then design some functions according to the instructions of the homework, such as addition or subtraction of complex numbers, etc. In the end, design the main function and use the previously designed functions and defined data types. In this assignment, I first thought about the overall structure of the main function, what output format or input type should be included, etc. Then modify other codes in the project file according to the functions or data structures to be used. For example, when I need to output two roots at the end of the execution, when I find an error, I immediately go to the project file to find the output function to make modifications. I use judgment expressions to determine one by one whether the real part is positive or negative or whether it is zero, and the imaginary part can be modified in a similar way.