

In this code, I wrote three files two C files and a header file. The header file contains the list of the functions used in the main function. In the main function I first print the equation then I calculate the roots with the formula and then convert the roots to complex and print them out. Finally, I verify the the results using the functions in the header file.

Problem:

There are two main problems that I encountered during the process:

1. I misunderstood the meaning of real part and imaging part of the complex. So, when I convert roots to complex the results were wrong. After I redefined the complex number, the problem was solved.
2. I did not put the C file and header file under the same project at first, so the code can not operate properly, once I put them together, they work well.