

## Report

A complex structure was defined to represent complex numbers, incorporating real and imaginary parts. Functions for basic complex number operations such as addition, subtraction, multiplication, and division were implemented to support subsequent calculations.

Functions for solving the quadratic equation were created, covering the calculation of the discriminant, determination of real or complex roots, and printing the results in a human-readable format. Special attention was given to handling floating-point precision issues.

A verification process was integrated into the solution to ensure the accuracy of the calculated roots. The program verifies the roots by substituting them back into the original quadratic equation and checking if the result is close to zero, considering both real and complex scenarios.