This homework assignment requires us to write a project with three codes. First, write a structure in “complex.h” for all the functions we need in this project. Second, write a “complex.c” to make all the functions work. Third, start to write the main function. Start the main function with a printf and printf to allow others to write down this equation's number. Fourth, write a lot of if and else if to print out the equation. Make sure that a and b shouldn’t print out one and should just print out the variable. When printing out the negative number, make sure to print out the negative sign with a blank between the number. So, the result will look like what has been shown on the pdf. Fifth, write bb4ac as the discriminator. Use it to figure out whether the root has an imaginary quantity or not. Use printComplex to print out complex numbers. Sixth, change a,b, and c to complex number forms and use those to calculate “ans”. make sure the absolute value of substituting a root to the quadratic equation is less than 0.000001. This homework assignment is not very hard. It was just very confusing at the start, so after spending some time, I finished the assignment.