

First, I use "int" to examine if $a=0$ by using "while".

Second, by writing down some functions, it is tidier and more convenient to program. Last, I use "if" to solve the root and combine functions to write down the equation.

I encountered a problem:

After calculation, the root will display the

answer '0.0000' to '-0.0000', I solve it by using "if else".