ROOTS OF QUADRATIC EQUATIONS USING FORMULA

PROGRAM:

import cmath

a = float(input('Enter a: '))

b = float(input('Enter b: '))

c = float(input('Enter c: '))

d = (b\*\*2) - (4\*a\*c)

sol1 = (-b-cmath.sqrt(d))/(2\*a)

sol2 = (-b+cmath.sqrt(d))/(2\*a)

print('The solution are {0} and {1}'.format(sol1,sol2))

**Output:**

Enter a: 8

Enter b: 5

Enter c: 9

The solution are (-0.3125-1.01357967126j) and (-0.3125+1.01357967126j)