**Find all the roots of quadratic equation  ax2+bx+c=0**

import math

a = float(input("Enter the coefficient a: "))

b = float(input("Enter the coefficient b: "))

c = float(input("Enter the coefficient c: "))

discriminant = b\*\*2 - 4\*a\*c

if discriminant > 0:

root1 = (-b + math.sqrt(discriminant)) / (2\*a)

root2 = (-b - math.sqrt(discriminant)) / (2\*a)

print(f"Root 1: {root1}")

print(f"Root 2: {root2}")

elif discriminant == 0:

root = -b / (2\*a)

print(f"Root: {root}")

else:

realPart = -b / (2\*a)

imaginaryPart = math.sqrt(abs(discriminant)) / (2\*a)

root1 = complex(realPart, imaginaryPart)

root2 = complex(realPart, -imaginaryPart)

print(f"Root 1: {root1}")

print(f"Root 2: {root2}")

**FLOW CHART:**

