while True:

a = input("insert anything to continue or type exit if you want the program to end: ")

if a == "exit":

break

else:

print("Provided that you have a quadratic equation in the form of ax^2 + bx + c, introduce the following data:")

a = float(input("a= "))

b = float(input("b= "))

c = float(input("c= "))

sol1 = (-b + (b\*\*2 - 4\*a\*c)\*\*(1/2))/(2\*a)

sol2 = (-b - (b\*\*2 - 4\*a\*c)\*\*(1/2))/(2\*a)

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

if dis < 0:

print("The equation has not real roots")

elif dis == 0:

print("The equation has a unique root, which is ",sol1)

else:

print("The first root of the equation is ",sol1)

print("The second root of the equation is ",sol2)

print("The program has ended")