```
# Create a Python program that calculates the roots of a quadratic equation using the equation,
    x=-b \pm (sqrt(b**2-4ac))/2a
   # You can assume that the equations used will always have two defined roots. (i.e. \alpha \neq 0)
    # The program should allow the user to input the three variables of the formula, a, b, and c,
    and then output the resulting roots.
    import math
 4
 5
   print('Enter the value of a, b, and c for the equation ax^2 + bx + c = 0')
 6
 7
   while True:
 8
 9
        trv:
10
            a = int(input('a: '))
            if a == 0:
11
                print('a must not be zero!!')
12
13
            else:
                break
14
15
        except ValueError:
16
            print('a must be a number!!')
17
   while True:
18
19
        try:
            b = int(input('b: '))
20
21
            break
        except ValueError:
22
            print('b must be a number!!')
23
24
25
   while True:
26
        try:
            c = int(input('c: '))
27
28
            break
        except ValueError:
29
30
            print('c must be a number!!')
31
32
    #print(f'a: {a}')
    #print(f'b: {b}')
33
    #print(f'c: {c}')
34
35
   x1 = (-b + math.sqrt((b ** 2) - (4 * a * c))) / (2 * a)
36
37
   x2 = (-b - math.sqrt((b ** 2) - (4 * a * c))) / (2 * a)
38
   print(f'The two roots of the quadratic formula are: {x1} and {x2}')
```