C- Pool

problem 8

Real Roots of equation

Example description

Write C code to compute the real roots of the equation:

ax2+bx+c=0.

The program will prompt the user to input the values of a, b, and c. It then computes the real roots of the equation based on the following rules:

- **if a and b are zero=> no solution**
- **if a is zero=>one root (-c/b)**
- **if b2-4ac is negative=>no roots**
- **Otherwise=> two roots**

The roots can be computed using the following formula:

x1=-b+(b2-4ac)1/2/2a

x2=-b-(b2-4ac)1/2/2a

Used library < math.h>

Expected Output