

C-Pool

problem 8

Real Roots of equation

This material is developed by IMTSchool for educational use only All copyrights are reserved



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:

Used library < math.h>



Expected Output

```
enter the value a:5
enter the value b:2
enter the value c:3
no roots
```