problem 2

Write C code to compute the real roots of the equation: $ax^2+bx+c=0$. 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:

$x1=-b+(b^2-4ac)^{1/2}/2a$

$x=-b-(b^2-4ac)^{1/2}/2a$

Used library < math.h>

Expected output :

```
C:\Windows\System32\cmd.exe                        —    □    ✕

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E:\IMT C pool\if conditions\p2>gcc main.c

E:\IMT C pool\if conditions\p2>a
enter the value a:10
enter the value b:5
enter the value c:3
no roots
E:\IMT C pool\if conditions\p2>
```