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project Quadratic Equation Solution

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Compiler: GCC

Language: c99

License: MIT

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INPUT -> a,b,c

OUTPUT -> x1,x2

#include <stdio.h>

#include <stdlib.h>

#include <math.h>

int main()

{

// variable declaration

int a,b,c;

float x1,x2

// Capture Input

printf("tQuadratic Equation Solver!\n");

printf("Enter the values a,b and c: ");

scanf("%d%d%",&a,&b,&c);

// processing/computation

if(b\*b-4\*a\*c) == 0) {

x1 = x2 = (-b + sqrt(b\*b-4\*a\*c))/(2\*a)

}

if(b\*b-4\*a\*c) > 0) {

x1 = (-b + sqrt(b\*b-4\*a\*c))/(2\*a)

x2 = (-b - sqrt(b\*b-4\*a\*c))/(2\*a)

}

if((b\*b-4\*a\*c < 0) {

printf("The equation has no roots\n");

exit(1);

}

// Output

print("The values of x are %f and %f\n",x1,x2);

return 0;

}