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Practical Statement: Write a C program to find the roots of quadratic equation.

Algorithm:

Step 1: Start

Step 2: Accept the value of coefficient of ‘x2’ i.e. a .

Step 3: Accept the value of coefficient of ‘x’ i.e. b .

Step 4: Accept the value of constant i.e. c

Step 5: Calculate discriminant i.e. d = b\*b – 4\*a\*c;

Step 6: If d>=0 then calculate the roots i.e. x1 = [-b+sqrt(d)]/(2\*a) and

x2 = [-b-sqrt(d)]/(2\*a).

Step 7: Print the roots i.e. x1 , x2.

Step 8: If d<0 then print no real roots.

Step 9: Stop.