CODE:-

import java.util.Scanner;

public class Quadratic

{

public static void main(String args[])

{

double x=0, y=0;

double a,b,c;

double det;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the value of a:");

a = sc.nextDouble();

System.out.println("enter the value of b:");

b = sc.nextDouble();

System.out.println("Enter the value for c:");

c = sc.nextDouble();

det= (b\*b)-(4\*a\*c);

double sqrt = Math.sqrt(det);

if(det>0)

{

x = (-b+sqrt)/(2\*a);

y = (-b-sqrt)/(2\*a);

System.out.println("Roots are :: "+x+" and "+y);

}

else if(det==0)

{

System.out.println("Root is :: "+(-b + sqrt)/(2\*a));

}

else

System.out.println("There are no real solutions");

}

}

OUTPUT:-

