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//Day 8 coding Statement: Write a program to find roots of a quadratic equation
package vowel;
import java.util.*;
import java.lang.Math;
public class Vowel {
  public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
    System.out.println("Enter a :");
        double a=sc.nextInt();
    System.out.println("Enter b :");
    double b=sc.nextInt();
    System.out.println("Enter c :");
    double c=sc.nextInt();
    double d,r1,r2;;
    d=(b*b)-(4*a*c);
    System.out.println(d);
    if(d>0){
      r1=-b+Math.sqrt(d)/(2*a);
      r2=-b-Math.sqrt(d)/(2*a);
      System.out.println("Roots are equal");
      System.out.println("Root 1 ="+r1);
      System.out.println("root 2 ="+r2);
    }
    else if(d==0){
      r1 = -b/(2*a);
```

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System.out.println("Roots are equal");
System.out.println("Root 1 = root 2 ="+r1);
// System.out.println("root 2 ="+r2);
}
else{
System.out.println("Roots are imaginary");
}
}
```