Quadratic Equation

```java
import java.util.*;
class quadratic
{
    public static void main (String [ ] args)
    {
        Scanner sc = new Scanner (system.in);
        System.out.println ("quadratic equation of form ax²+bx+c");
        System.out.println ("Enter values of a,b,c");
        double a = sc.nextInt ();
        double b = sc.nextInt ();
        double c = sc.nextInt ();
        while (a! = 0)
        {
            float d = (b*b)-(4*a*c);
            if (d==0)
            {
                float x=(-1*b) / (2*a);
                System.out.println ("the roots are " +x);
                break;
            }
            else if (d>0)                  (-1*b + math.sqrt (d))
            {                              (-1*b - mat.sqrt (d))
                float xa = (-b+(b*b-4*a*c)^(1/2))/(2*a);
                float xb = (-b-(b*b-4*a*c)^(1/2))/(2*a);
                System.out.println ("The roots are " +xa +" e" +xb);
                break;
            }
            else if (d<0)
            {
                system.out.println (" imaginary");
                break;
            }
        }
    }
}
```