Java program to find all roots of a quadratic equation

```
public class Quadratic {
public static void main (String[] args)
{
    Scanner input = new Scanner (System.in);
    System.out.print ("Input type a");
        float a = input.nextFloat();
    System.out.print ("Input b");
        float b = input.nextFloat();
    System.out.print ("Input c");
        float c = input.nextFloat();

    float descriminant
    double result = b*b - 4.0 * a * c;

    if (descriminant > 0.0)
{
    float x1 = (-b + Math.pow (descriminat
                                0.5)) / (2 *
float x2 = (-b + Math.pow ( descriminant ,0.
                                / (2 * a);
    System.out.println ("\n The roob
        are real and distint: root 1 = " + x1 + "
            and root 2 = " + x2 );
```

```
else if (discriminant == 0)
{
    float x1 float x2
    root1 = root2 = -b/(2*a);
    System.out.println("\n Two Equal
    Real Roots : x1 = " + x1 + " and ro
                x2 = " + x2 + ")
```

```
else if (r < 0.0)
{ Sy sut em.out.Println ("it it has no real
                roots");
                }
```