

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        double a,b,c,r1=0,r2=0;
        System.out.print("Enter a,b,c coefficients ");
        a=sc.nextDouble();
        b=sc.nextDouble();
        c=sc.nextDouble();
        double determinant=(b*b)-(4*a*c);
        double sqrt=Math.sqrt(determinant);
        if(determinant > 0)
        {
            r1=(-b+sqrt)/2*a;
            r2=(-b-sqrt)/2*a;
            System.out.println("root 1 "+r1);
            System.out.println("root 2 "+r1);
        }
        else if(determinant == 0)
        {
            System.out.println("roots are equal");
            System.out.println("root 1=root 2="+"((-b+sqrt)/2*a));
        }
    }
}
```