Quadratic
equation

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B3

```java
import java.util.*;
class quadratic
{
  public static void main(String args[])
  {
    double a,b,c,x,y,d;
    Scanner ss = new Scanner(System.in);
    System.out.println("enter a,b,c of quadratic equation");
    a= ss.nextDouble();
    b= ss.nextDouble();
    c= ss.nextDouble();
    d= (b*b - 4*a+c);
    if (d>0)
    {
      x= (-b+ Math.sqrt(d))/(2*a);
      y= (-b- Math.sqrt(d))/(2*a);
      System.out.println("roots are" + x + "and" + y);
    }
    Use if (d==0)
    {
      x=-b/(2*a);
      System.out.println("roots are equal");
      System.out.println("roots is "+ x);
    }
    else {
      System.out.println("roots are imaginary"); }
  }
}
```