```
import java.util.*;
import java.lang.Math;
class quadratic
{
  public static void main (String args[])
  {
    Scanner sc = new Scanner(System.in);
    int a, b, c;
    float r, r1, r2, x, d;
    System.out.println("Enter the coefficients of
    the equation");
    a = sc.nextInt();
    b = sc.nextInt();
    c = sc.nextInt();
    d = ((b^2) -(4*a*c));
    if (d<0)
    {
      system.out.println ("The roots are negative");
      d=d*(-1);
      r = (Math.sqrt(d)/(2*a));
      x = -b/(2*a);
      system.out.println("The roots are"+x+
      "+"+r+"and"+x+"-"+r);
    }
  else if (d==0)
    {
      system.out.println("The roots are real
      and equal");
      r = -b/(2*a);
      system.out.println("The roots are"
      +r+"and"+r);
    }
```

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else
{
    system.out.println("The roots are real
    and equal");
    r1 = (-b + (Math.sqrt(d))/2*a);
    r2 =(-b-(Math.sqrt(d))/2*a);
    System.out.println("The roots are"
    +r1+"and"+r2);
}
}
}
```