

```
import java.util.Scanner;  
import java.lang.*;  
  
class Quadratic  
{ public static void main (String args[]) {  
    double a,b,c,d,x1,x2;  
    Scanner scan = new Scanner (System.in);  
    System.out.println ("enter co-efficients of equation");  
    a = scan.nextDouble();  
    b = scan.nextDouble();  
    c = scan.nextDouble();  
    d = b*b - 4*a*c;  
    if (d<0)  
    { System.out.println ("There are no real solutions");  
      System.exit(0); } }
```

```
x1 = (-b + Math.sqrt(d)) / (2*a);  
x2 = (-b - Math.sqrt(d)) / (2*a);  
if (d == 0)  
{ System.out.println ("The solutions are  
real and equal to " + x1);  
else  
{ System.out.println ("The real solutions  
are \n" + x1 + " and " + x2); } }
```

{ }  
}