```java
import java.util.*;
class Quadratic
{
public static void main(String [] arg)
{
Scanner s =new Scanner(System.in);
System.out.println("Enter a,b,c of the equation ax^2+bx+c=0:");
double a=s.nextDouble();
double b=s.nextDouble();
double c=s.nextDouble();
double d=b*b-4.0*a*c;
double roots1,roots2;
if(d>=0)
{
roots1=(-b-Math.sqrt(d))/(2.0*a);
roots2=(-b+Math.sqrt(d))/(2.0*a);
System.out.println("Two real roots are :"+roots1+" "+roots2);
}
else if(d==0)
{
System.out.println("Roots are real and equal ");
roots1=(-1*b)/(2*a);
roots2=roots1;
System.out.println("ROOTS are "+roots1+" "+roots2);
}
else
{
System.out.println("No real roots");
}
}
}
```

```
5  {
6   Scanner s =new Scanner(System.in);
7   System.out.println("Enter a,b,c of the equation ax^2+bx+c=0:");
8   double a=s.nextDouble();
9   double b=s.nextDouble();
10  double c=s.nextDouble();
11  double d=b*b-4.0*a*c;
12  double roots1,roots2;
13  if(d>0)
14 - {
15  roots1=(-b-Math.sqrt(d))/(2.0*a);
16  roots2=(-b+Math.sqrt(d))/(2.0*a);
17  System.out.println("Two real roots are :"+roots1+" "+roots2);
18  }
19  else if(d==0)
20 - {
21  System.out.println("Roots are real and equal ");
22  roots1=(-1*b)/(2*a);
23  roots2=roots1;
24  System.out.println("ROOTS are "+roots1+" "+roots2);
25  }
```

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Roots are real and equal
ROOTS are -2.0 -2.0

...Program finished with exit code 0
Press ENTER to exit console.