```java
import java.util.*;
class Roots
{
        public static void main(String args[])
        {
                int a,b,c,d,f=0;
                Scanner scr=new Scanner(System.in);
                System.out.println("\nEnter the values of a ,b ,c : ");
                a=scr.nextInt();
                b=scr.nextInt();
                c=scr.nextInt();
                d=(b*b)-(4*a*c);
                if(d==0)
                {
                        System.out.println("Roots are real and Equal");
                        f=1;
                }
                else if(d>0)
                {
                        System.out.println("Roots are real and UnEqual");
                        f=1;
                }
                else
                System.out.println("Roots are imaginary");
                if(f==1)
                {
```

```java
Scanner scr=new Scanner(System.in);
System.out.println("\nEnter the values of a ,b ,c : ");
a=scr.nextInt();
b=scr.nextInt();
c=scr.nextInt();
d=(b*b)-(4*a*c);
if(d==0)
{
        System.out.println("Roots are real and Equal");
        f=1;

}
else if(d>0)
{
        System.out.println("Roots are real and UnEqual");
        f=1;

}
else
System.out.println("Roots are imaginary");
if(f==1)
{
        float r1=(float)(-b+Math.sqrt(d))/(2*a);
        float r2=(float)(-b-Math.sqrt(d))/(2*a);
        System.out.printf("Roots are : %.4f and %.4f",r1,r2);

}
    }
}
```

```
G:\bin\Programs>
G:\bin\Programs>java Roots

Enter the values of a ,b ,c :
1 4 6
Roots are imaginary

G:\bin\Programs>java Roots

Enter the values of a ,b ,c :
3 12 12
Roots are real and Equal
Roots are : -2.0000 and -2.0000
G:\bin\Programs>
G:\bin\Programs>java Roots

Enter the values of a ,b ,c :
2 4 -2
Roots are real and UnEqual
Roots are : 0.4142 and -2.4142
G:\bin\Programs>
```