Develop a Java program that prints all real solutions to the quadratic equation ax2+bx+c=0. Read in a, b, c and use the quadratic formula. If the discriminate b2 -4ac is negative, display a message stating that there are no real solutions.

```
import java.util.Scanner;
class pro1
{
       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)
             {
```

```
float r1=(float)(-b+Math.sqrt(d))/(2*a);
float r2=(float)(-b-Math.sqrt(d))/(2*a);
System.out.println("Roots are : "+r1+","+r2);
}
}
```

